



पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)

दूरभाष : 0771-2262802 (अकादमिक), 0771-2262540 (कुलसचिव), फ़ैक्स-0771-2262818, 2262807, ई-मेल: academicprsu2@gmail.com

क्रमांक 2044/अका./2021

रायपुर, दिनांक 14/06/2021

प्रति,

प्राचार्य

संबद्ध समस्त महाविद्यालय

पं. रविशंकर शुक्ल विश्वविद्यालय

रायपुर (छ.ग.)

विषय :- स्नातक स्तर भाग-तीन के पाठ्यक्रम बाबत।

संदर्भ :- संयुक्त संचालक, उच्च शिक्षा का पत्र क्रमांक 2456./315/आउशि/सम./2019, दिनांक 16.05.2019

महोदय/महोदया,

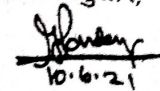
(अ) विषयांतर्गत संदर्भित पत्र के माध्यम से प्राप्त स्नातक स्तर भाग-तीन के निम्नलिखित कक्षाओं/विषयों के परिवर्तित/संशोधित पाठ्यक्रम शिक्षा सत्र 2021-22 से प्रभावशील किया जाता है -

- (1) बी.ए. - आधार पाठ्यक्रम-हिन्दी भाषा, राजनीति, अर्थशास्त्र, संगीत, दर्शनशास्त्र, गणित, मानवविज्ञान, इतिहास, हिन्दी साहित्य, समाजशास्त्र, भूगोल, मनोविज्ञान, संस्कृत, सांख्यिकी, प्राचीन भारतीय इतिहास।
- (2) बी.कॉम. - आधार पाठ्यक्रम-हिन्दी भाषा, वाणिज्य।
- (3) बी.एस.-सी. - जैविकी, मानवविज्ञान, बायोटेक्नोलॉजी, कम्प्यूटर साइंस, गणित, भौतिकशास्त्र, प्राणीशास्त्र, सूक्ष्मजीव विज्ञान, वनस्पतिशास्त्र, भूविज्ञान, इलेक्ट्रॉनिक्स, रसायन, सांख्यिकी, भूगोल, आधार पाठ्यक्रम-हिन्दी भाषा।
- (4) बी.एस.-सी. (गृह विज्ञान)-आधार पाठ्यक्रम-हिन्दी भाषा, एवं गृहविज्ञान।

उपरोक्त कक्षाओं के शेष पाठ्यक्रम यथावत रहेंगे। स्नातक स्तर भाग-एक एवं दो के पाठ्यक्रम यथावत रहेंगे। समस्त पाठ्यक्रम विश्वविद्यालय की वेबसाइट www.prsu.ac.in में उपलब्ध है।

(ब) स्नातकोत्तर एवं अन्य पाठ्यक्रम शिक्षा सत्र 2020-21, को शिक्षा सत्र 2021-22 हेतु यथावत प्रभावशील किया जाता है।

आदेशानुसार,



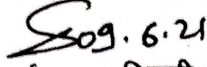
10.6.21
कुलसचिव

पृ.क्रमांक 2045/अका./2021

रायपुर, दिनांक 14/06/2021

प्रतिलिपि :-

1. संयुक्त संचालक, उच्च शिक्षा को आपके पत्र क्रमांक 2456/315/आउशि/सम/2019, दिनांक 16.05.2019 के परिप्रेक्ष्य में सूचनार्थ।
2. उपकुलसचिव परीक्षा/सहायक कुलसचिव गोपनीय विभाग
3. अधिष्ठाता छात्र कल्याण/जनसंपर्क अधिकारी
4. कुलपति जी के सचिव/कुलसचिव के निज सहायक, पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर को सूचनार्थ।


विशेष कर्तव्यस्थ अधिकारी (अका.)



पंडित रविशंकर शुक्ल विश्वविद्यालय, रायपुर छत्तीसगढ़ भारत
Pt. Ravishankar Shukla University, Raipur Chhattisgarh, India
 Estd-1964 – recognized by UGC U/s 2(f) and 12 (B)
NAAC “A” Grade

Syllabus 2021-22

S. No.	Department	Pg. No.
1	School of Studies in Ancient Indian History Culture & Tourism & Hotel Management	1-44
2	School of Studies in Anthropology	45-127
3	School of Studies in Biotechnology	128-182
4	School of Studies in Chemistry	183-238
5	Swami Vivekanand Memorial School of Studies in Comparative Religion, Philosophy and Yoga	239-262
6	School of Studies in Computer Science & IT	263-333
7	School of Studies in Economics	334-362
8	School of Studies in Environmental Science	363-394
9	School of Studies in Electronics and Photonics	395-511
10	School of Studies in Geography	512-516
11	School of Studies in Geology and WRM	517-563
12	School of Studies in History	564-654
13	School of Studies in Law	655-809
14	School of Studies in Library & Information Science	810-837
15	School of Studies in Life Science	838-939
16	School of Studies in Literature and Languages	940-1098
17	Institute of Management	1099-1128
18	School of Studies in Mathematics	1129-1184
19	University Institute of Pharmacy	1185-1252
20	School of Studies in Physical Education	1253-1371
21	School of Studies in Physics and Astrophysics	1372-1415
22	School of Studies in Psychology	1416-1531
23	School of Regional Studies and Research	1532-1594
24	School of Studies in Sociology & Social work	1595-1681
25	School of Studies in Statistics	1682-1685
26	Institute of Teacher Education	1686-1824
27	Centre for Women's Studies	1825-1841
28	Renewable Energy Technology & Management	1842-1938
29	Centre for Basic Sciences	1939-2144

M.A./M. Sc. GEOGRAPHY
SEMESTER IV (2018-19)

M.A./M.Sc. Geography Semester IV shall consist the following papers:

S. No.	Paper	Title	M. M.		
			Written	Int. Ass.	Total
1.	XVI	Health of Geography <i>Geography of Health</i>	80	20	100
2.	XVII	Agricultural Geography	80	20	100
3.	XVIII (A)	Geographical Information System	80	20	100
	OR	OR			
4.	XVIII (B)	Environmental Geography	80	20	100
	XIX	Field Work (Physical and Socio-Economic)	---	---	100
5.	XX	Practical-IV: Geographical Information System and Quantitative Techniques	---	---	100

- The M.A./M.Sc. Semester IV examination in Geography shall consist of 500 marks.
There shall be three theory papers and one Field Work report each of 100 marks and one practical of 100 marks as follows.

S. No.	Paper	Title
1.	XVI	: Health of Geography <i>Geography of Health</i>
2.	XVII	: Agricultural Geography
3.	XVIII (A)	: Geographical Information System
	OR	
	XVIII (B)	: Environmental Geography
4.	XIX	: Field Work (Physical and Socio-Economic)
5.	XX	: Practical-IV: Geographical Information system and Quantitative Techniques

- The theory papers shall be of three hours duration.
- Candidates will be required to pass separately in theory and practical examinations.
- Candidates will be required to submit their Field Report in three copies in hard

bound at least one hundred pages for Valuation.

5.

(a) In the practical examination the following shall be the allotment of time and marks.

(i) Practical record 20%

(ii) Lab work (up to Four hours) 70%

(iii) Viva on i. & ii. above 10%

(b) The external and internal examiners shall jointly submit marks.

(c) All the candidates shall present at the time of the practical examination their practical record regularly signed by the teachers concerned.

PAPER XVI (2018-19)

GEOGRAPHY OF HEALTH

UNIT – I Nature, scope and significance of Health Geography, Development, specialization and relation with other science. Geographical factors effecting human health and diseases; Physical factors, Social factors, Economics factors and Environmental factors.

UNIT – II Disease Ecology and epidemiology, Basis of Classification of disease; genetic, biological, occupational and deficiency diseases, International Classification of diseases (ICD); Communicable and non-communicable diseases, WHO Classification of diseases, pattern of world distribution of major diseases, transmission of major diseases: cholera, malaria, tuberculosis, hepatitis, leprosy, cardiovascular, Asthma, fever, jaundice, arthritis, diabetic, BP, eye disease, anemia, Mental Disease, Cancer, AIDS and STDS. Diffusion and Causes of diseases. disease differential by seasons.

UNIT – III Nutrition and deficiency disease: Food stuffs and their nutritional contents and human requirements, concept of balanced Diet, hunger and malnutrition. Deficiency disorders and problems of malnutrition in India. Changing pattern of food habits in India and originates new health problem, regional distribution of food habits in India.

UNIT – IV Health Care Planning: Role of Health Programmes in the eradication of various diseases, their preventive and promotive aspects. International level; WHO, UNICEF, Red Cross, National Level; Government and NGOs, Health care planning and polices; availability, accessibility and utilization of health care services, Primary Health Care (PHC); spatial inequalities in health care services in India, Family Welfare, immunization, Reproductive Child health programmes, AIDS/HIV control programme, Health Care Delivery Systems, Allopathic, Ayurvedic and Traditional health card systems of India.

SUGGESTED READINGS:

1. Banerjee, B. and Hazra J. : Geo-Ecology of Cholera in West Bengal, University Calcutta, Calcutta 1980.
2. Cliff, A and Haggett, P.: Atlas of Disease Distribution. Basil Blackwell, Oxford, 1989.
3. Digby, A, and Stewart. L. (eds.) : Gender, Health and Welfare. Routledge, New York 1996.
4. Hazra, J. (ed.) Health Care Planning in Developing Countries. University of Calcutta, Calcutta 1996.
5. Learmonth A.T.A. : Patterns of Disease and Hunger. A Study in Medical Geography David & Charles, Victoria. 1978
6. May, J.M. Studies in disease Ecology. Hafner Pub., New York, 1961.
7. May. J.M. Ecology of Human Disease. M.D. Pub. New York 1959.
8. May, J.M. : The World Atlas of Diseases, Nat. Book Trust, New Delhi, 1970.

9. Mc. Glashan, N.D. : Medical Geography, Methuen, London. 1972.
10. Narayan, K.V.: Health and Development- Inter-Sectoral Linkages in India, Rawat Pub., Jaipur, 1997.
11. Phillips, D.R. : Health and Health Care in the Third world. Longman, London, 1990.
12. Pyle, G. : Applied Medical Geography. Winston Halsted Press, Silver Springs, Md, U.S.A.1979.
13. Rais, A. and Learmonth, A.T.A. (eds) : Geographical Aspects of Health and Diseases in India, Concept Publishing Company New Delhi, 1985.
14. Shannon, G.M. et. al : The Geography of AIDS, Guilford Press. New York. 1987.
15. Smith, D. : Human Geography - A Welfare Approach, Arnold Heinemann, London 1997.
16. Sochin, A. A. : Fundamentals of Medical Geography, Dept. of Army Tran, M.J. 5264, Washington D.C. 1968.
17. Stamp, L.D.: The Geography of Life and Death. Cornell University, Ithaca, 1964.

Syllabus for Ph.D. Course work in Geography (2017-18)

Paper – II Geography – elective (15 C)

There are two papers: each with 15 credits. Total credit: 15 X2 = 30

I credit = Five lecture of 1 hour each.

C= credit; L = Lecture

Paper - I Research Methodology, Computer Fundamentals, Statistical tools and techniques in Geography (15 C)

Paper – II Geography – elective (15 C)

Paper - I : Research Methodology, Computer Fundamentals, Statistical tools and techniques in Geography (15 C)

A	Research Methodology : An overview; explanation in Geography Defining Research Problem' Procedure of Scientific Research Formulation Hypothesis; Research design	
B	Sources of data in Geography Methods of data collection: observation, schedule, questionnaire and interview, Processing of data: Processing, editing, coding and classification and tabulation; Sampling, sampling methods and size of the sample.	
C	Analysis of data: measurement of Central Tendency, dispersion and relationship; probability Measurement in research, measurement scale, sources of error in measurement, important scaling techniques: Quantitative techniques: Correlation: Rank order Correlation, Product Movement Correlation;	
D	Running mean; describing point patterns: Mean Centre, Nearest Neighbour Analysis, Line Pattern: Detour Index and Shape index, Tests: 't' Test' 'F' Test, Chi square Test; Rank Size Rule; Lorenz Curve; Functional Classification of towns; Centrality index for central place; Crop Combination Region, Agricultural Efficiency; Gravity and Potential Models: Linear Regression.	
E	Interpretation and preparation of Research Report: Meaning and techniques of interpretation, steps, layout and type of reports;	
F	Computer application: computer fundamentals, Microsoft office (word, excel and Power Point), internet, Computer cartography, Remote sensing and GIS application.	

Paper – II - Elective (15 C)

A1	Geomorphology	
A2	Population Geography	
A3	Social Geography	
A4	Settlement Geography (Rural and Urban)	
A5	Agriculture Geography	
A6	Resource Geography	
A7	Regional Development and Planning	
A8	Remote Sensing and GIS	
B	Review writing-Topic of review relevant to the proposed Ph. D. work	
C	Writing of research proposal, statement of problem, objective, hypothesis, and plan of the thesis.	
D	Thesis writing, Formats of report writing, Formats of Publications in research Journals; Bibliography	
E	Seminar presentation; Preparation of Research Paper	

Scheme of examination for the pre-Ph.D. course work for Geography

	Examination scheme	
1	The question paper will be of 100 marks	
2	There will be five questions. All the five questions shall be compulsory.	
3	The pattern of the question paper shall be as follows:	
	Q. 1 Objective questions of multiple choice type (40 questions to be answered) covering contents of both papers equally.	40
	Q.2. Short answers type questions (in about 50-100 words)	10
	Q.3. Shorts notes (in about 200-250 words)	10
	Q.4. Preparation of any suitable research proposal	20
	Q. 5. Preparation of any research paper	20
4	The answer papers will be assessed independently by two examiners.	
5	The candidate must obtain 50% or more marks to qualify in the course work	

BOARD OF STUDIES IN GEOLOGY**COURSE CURICULUM****FOR****M. Sc. GEOLOGY (Four Semesters Course)****including****CHOICE BASED CREDIT SYSTEM (CBCS)****Academic Session 2019 – 20 & 2020 – 21**

There shall be four semesters in two academic years. Each semester (except the IVth Sem.) consists of Four Theory courses carrying 100 marks each and two Lab courses carrying 100 marks each. Each semester carries 20 credits. Thus, a student will have to clear all 80 credits. The practical examination would be of 3 to 4 hours duration. In each practical 20 % marks shall be allotted for Sessional work, 10% marks are allotted for viva-voce.

Fieldwork: Fieldwork is an essential component of the course, and carries 2 Credits. Every student will have to do 2 to 3 weeks of fieldwork (in continuation or in breaks) during the first academic year. He will be required to submit a field report for evaluation under FIELD WORK of second semester examination.

In IVth Semester, there will be Three Major/Core Theory Papers and One Major/core ELECTIVE Paper, along with respective practical. Besides this, a student will have to clear two Papers of 3 credit each out of the Minor ELECTIVE course from other Subjects/Disciplines as per his/her choice.

A student has to submit his choice of Core ELECTIVE Papers at the beginning of III Semester. If a candidate chooses for The Project Oriented Dissertation in lieu of Core ELECTIVE Paper, he/she shall be allotted a topic for the Project work. He/She will have to complete his fieldwork related to Project before the commencement of Fourth Semester, while Laboratory work can be completed along with regular course of study during Fourth Semester. M. Sc. Dissertation thesis must be submitted within 30 days after the completion of IVth Semester theory examination.

SCHEME OF EXAMINATION

SEMESTER – I CORE COURSES

Course No	Title of Paper	Max Marks			Credits
		Theory	Internal Assmt.	Total	
I	Structural Geology	80	20	100	4
II	Mineralogy	80	20	100	4
III	Geochemistry	80	20	100	4
IV	Crystallography & crystal optics	80	20	100	4
Lab Course I	Structural Geology & Survey	100	-	100	2
Lab Course II	Crystallography, Crystal Optics, Mineralogy & Geochemistry	100	-	100	2
	Total	520	80	600	20

SEMESTER – II CORE COURSES

Course No	Title of Paper	Max Marks			Credits
		Theory	Internal Assmt.	Total	
I	Igneous Petrology	80	20	100	4
II	Metamorphic Petrology	80	20	100	4
III	Sedimentology & Crustal Evolution	80	20	100	4
IV	Stratigraphic principles and Indian Geology	80	20	100	4
Lab Course -I	Petrology and Stratigraphy	150	-	150	2
Lab Course -II	Fieldwork	50	-	50	2
	Total	520	80	600	20

SEMESTER – III CORE COURSES

Course No	Title of Paper	Max Marks			Credits
		Theory	Internal Assmt.	Total	
I	Paleontology	80	20	100	4
II	Ore & Fuel Geology	80	20	100	4
III	Geomorphology and Remote Sensing	80	20	100	4
IV	Mineral Exploration	80	20	100	4
Lab Course -I	Ore Geology and Mineral Exploration	100	-	100	3
Lab Course -II	Paleontology, Geomorphology and Remote sensing	100	-	100	3
	Total	520	80	600	22

SEMESTER – IV CORE COURSES

Course No	Title of Paper	Max Marks			Credits
		Theor y	Intern al Assmt	Tota l	
I	Mining and Engineering Geology	80	20	100	4
II	Environmental Geology	80	20	100	4
III	Hydrogeology	80	20	100	4
Lab Course -I	Hydrogeology, Engineering Geology and Mining geology	150	-	150	2
	Total	390	60	450	14

CORE ELECTIVE COURSES (ANY ONE)

Course No	Title of Paper	Max Marks			Credits
		Theor y	Intern al Assmt	Tota l	
ME I	Advanced Hydrogeology	80	20	100	4
Lab course ME- I	Advance hydrogeology	50		50	2
ME II	Project Oriented Dissertation	100		100	4
	Script Evaluation and Viva Voce on Project Dissertation	50		50	2
	Total	130		150	6
		Max Marks			Credits
		Theory	Internal Assmt.	Total	
	Grand Total	2080	320	2400	80
	Minor elective courses				06

MINOR ELECTIVE COURSES

		Max Marks	Credits
		Total	
GMnE-1	Fundamentals of Geology	100	3
GMnE-2	Disaster Management	100	3

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SEMESTER - I

COURSE: I - STRUCTURAL GEOLOGY

UNIT – I

- 1.1 Rock deformation: Theory of stress & strain, their relationship; Factors controlling rock deformation
- 1.2 Properties of elastic, plastic and brittle materials; Progressive deformation.
- 1.3 Strain analysis: types of strain; strain ellipse; strain ellipsoid; Geological application of strain theory. Rheology.
- 1.4 Stress analysis: compressive and shear stress; biaxial and triaxial stress. Mohr's Circle and envelope.

UNIT – II

- 2.1 Fold: Definition, Geometrical and Genetic Classification of Fold. Fleutys Classification, Ramsay Classification and Dip Isogon Classification.
- 2.2 Mechanism of Fold formation and types of fold
- 2.3 Superimposed fold; Outcrop pattern of superimposed structure comprising of two fold system.
- 2.4 Joints, and its types; their analysis and relation with major structures

UNIT – III

- 3.1 Fault: Types and mechanism of faulting.
- 3.2 Principal stress orientation for the main fault types; Relationship between stress and strain ellipsoid.
- 3.3 Analyses of brittle-ductile and ductile shear zones
- 3.4 Petrofabric Analysis: Field and laboratory techniques. Preparation of petrofabric diagrams and their interpretation.

UNIT – IV

- 4.1 Cleavage & Schistosity: definition and types.
- 4.2 Mechanism of formation of Cleavage & Schistosity; its relationship with major deformation structures
- 4.3 Lineation: definition and its types; their mode of development and relation to major structures.
- 4.4 Plutons: Definition & description; its role in progressive deformation.

UNIT – V

- 5.1 Tectonites: definition and its types
- 5.2 Stereographic Projection: Principles and application
- 5.3 Tectonics and structural characteristics of Plate Boundaries; associated structures in extensional, compressional and strike-slip terrains.
- 5.4 Geodynamic evolution of the Himalayas

Books Recommended:

- Ghosh, S.K. (1993): Structural Geology: Fundamental and Modern Development. Pergamon Press.
- Hobbs, B.E., Means, W.D. and Williams, P.F. (1976): An outline of Structural Geology, John Wiley and Sons, New York.
- Ramsay, J.G. (1967): Folding and fracturing of rocks, McGraw Hill.
- Ramsay, J.G. and Huber, M.I. (1983): Techniques of Modern Structural Geology, Vol. I Strain Analysis, Academic Press.
- Ramsay, J.G. and Huber, M.I. (1987): Techniques of Modern Structural Geology, Vol. II, Folds and Fractures, Academic Press.
- Ramsay, J.G. and Huber, M.I. (2000): Techniques of Modern Structural Geology, Vol. III (Application of continuum mechanics), Academic Press.
- Turner, F.J. and Weiss, L.E. (1963): Structural analysis of Metamorphic Tectonites, McGraw Hill.
- Windley B. (1973): The Evolving continents, John Wiley and Sons, New York.

SEMESTER - I**COURSE: II - MINERALOGY****UNIT- I**

- 1.1 Composition of minerals and Mineraloids.
- 1.2 Physical Properties of Minerals depending on Crystal Growth, Crystal Structure, Chemical Composition and Interaction with light.
- 1.3 Electrical Magnetic, Luminescence, Thermal and Radioactive Properties of Mineral.
- 1.4 Structure of Silicates.

UNIT- II

- 2.1 Ionic Radius, Coordination Principles, Close Packing, Pauling's Rules.
- 2.2 Unit Cell, Bonding Forces in crystals Ionic Bond, Covalent Bond, Van Der Waal's Bond, Metallic Bond.
- 2.3 Solid solution - Substitution, Interstitial and Omission solid solution. Ex-solution.
- 2.4 Polymorphism, polytypism, pseudomorphism.

UNIT – III

Classification of Minerals. Systematic Mineralogy of common rock forming silicate groups.

- 3.1 Classification of Minerals
- 3.2 Nesosilicates – a) Olivine Group b) Garnet Group c) Al_2SiO_5 Group d) Zircon,
- 3.3 a) Topaz, b) Staurolite, c) Sphene.
- 3.4 Sorosilicates - Epidote

UNIT- IV

Systematic Mineralogy of common rock forming silicate groups

- 4.1 Cyclosilicates- a) Cordierite b) Tourmaline c) Beryl
- 4.2 Inosilicates - a) Pyroxene Group
- 4.3 Inosilicates – a) Amphibole Group
- 4.4 Phyllosilicates- a) Serpentine Group b) Mica Group c) Chlorite Group d) Clay Mineral Group – Kaolin and Talc,

Unit – V

Systematic Mineralogy of common rock forming silicate, carbonate and phosphate groups

- 5.1 Tectosilicates- a) SiO₂ Group b) Zeolite Group
- 5.2 Tectosilicates – a) Feldspar Group b) Feldspathoid Group
- 5.3 Carbonates and Phosphates
- 5.4 Gem and Semi precious minerals.

Books Recommended:

- Berry, L.G., Mason, B. and Dietrich, R.V. (1982): Mineralogy, CBS Publ.
 Dana, E.S. and Ford, W.E.(2002): A textbook of Mineralogy (Reprint).
 Kerr, P.F. (1977): Optical Mineralogy, McGraw Hill.
 Moorhouse, W.W. (1951): Optical Mineralogy, Harper and row Publ.
 Nesse, D.W. (1986): Optical Mineralogy, McGraw Hill.
 Perkins, D. (1998): Mineralogy, Prentice Hall.
 Winchell, E.N. (1951): Elements of Optical Mineralogy, Wiley Eastern.

SEMESTER - I

COURSE: III - GEOCHEMISTRY**UNIT – I**

- 1.1 Introduction to Geochemistry. Cosmic Abundance of the Elements and Nucleosynthesis. Geochemical classification of elements. Formation of Solar System and Planets.
- 1.2 Composition and Classification of Meteorites, Chondrules, Chondrites and Achondrites. Geology and Chemistry of Moon.
- 1.3 Trace, Volatile, Semi volatile, Alkali and Alkaline earth elements its behaviour in Fractional Crystallization and Partial melting.
- 1.4 REE and Y, HFSE elements, Transition & Noble elements-its importance and concentrations in various igneous rocks and its behaviour in various magmatic processes.

UNIT – II

- 2.1 Partition coefficient, Factors governing partition co-efficient.
- 2.2 Compatible and incompatible elements, behaviour of these elements in Fractional Crystallization and partial melting.
- 2.3 Fundamental Laws of Thermodynamics. Free energy. Phase equilibrium and Gibb's Phase Rule.
- 2.4 Thermodynamics of magmatic Crystallization.

UNIT – III

- 3.1 Geochemistry of island arcs.
- 3.2 Geochemistry of Crust.
- 3.3 Composition of Mantle, mineralogy of lower mantle.
- 3.4 Phase transition in the Mantle, mineral-phase transition in lower mantle.

UNIT – IV

- 4.1 Stable isotope geochemistry. Oxygen isotope studies. Isotope fractionation, application, use of oxygen isotope together with radiogenic isotope in correlation diagrams.
- 4.2 Carbon isotope. Carbon isotope studies in association with Oxygen isotope for Carbonate rocks.
- 4.3 Radiogenic isotopes. Decay scheme, Laws of decay, half-life period. Decay scheme of K-Ar, Sm-Nd and Rb-Sr. Radiogenic isotopes in petrogenesis
- 4.4 Isotopic reservoirs, Depleted mantle (DM), HIMU Mantle, Enriched Mantle, PREMA, Bulk Silicate Earth (BSE), Continental crustal source.

UNIT - V

- 5.1 Aquatic Chemistry- Acid Base reactions, Dissolution and Precipitation of CaCO_3 . Solubility of Mg, SiO_2 and $\text{Al}(\text{OH})_3$
- 5.2 Geochemical properties of clays - Kaolinite, Pyrophyllite and Chlorite Groups. Ion exchange properties of clays
- 5.3 Redox in Natural Waters. Eutrophication. Factors controlling Weathering. Soil profile. Chemical and biogeochemical cycling in the soil
- 5.4 Composition of Rivers. Composition of Seawater- Temperature variation. Density structure and deep circulation, Distribution of CO_2 in Ocean. Carbonate dissolution and precipitation. Sources and sinks of Dissolved matter in seawater.

Books Recommended:

- Drever, J. I., 1988. *The Geochemistry of Natural Waters*, Prentice Hall, Englewood Cliffs, 437 p.
- Garrels, R. M. and C. L. Christ. 1965. *Solutions, Minerals and Equilibria*. New York: Harper and Row.
- Burns, R. G. 1970. *Mineralogical Applications of Crystal Field Theory*. Cambridge: Cambr Univ. Press.
- Henderson, P. 1986. *Inorganic geochemistry*. Oxford: Pergamon Press.

- Brownlow, A. H. 1996. *Geochemistry*. New York: Prentice Hall.
- Krauskopf, K. B. and D. K. Bird. 1995. *Introduction to Geochemistry*. New York: McGraw-Hill.
- Bowen, R. 1988. *Isotopes in the Earth Sciences*, Barking (Essex): Elsevier Applied Science Publishers.
- Condie, K. C. 1989. *Plate Tectonics and Crustal Evolution*. Oxford: Pergamon.
- Rollinson Hugh R. *Using Geochemical Data: Evaluation, Presentation, Interpretation*
- Faure, G., 1986. *Principles of Isotope Geology*, 2nd ed., Wiley & Sons, New York, 589p.
- Hoefs Jochen: *Stable Isotope Geochemistry*
- Dickin Alan P.: *Radiogenic Isotope Geology*
- White, W. M. *Geochemistry*

SEMESTER – I COURSE: IV - CRYSTALLOGRAPHY & CRYSTAL OPTICS

UNIT – I

- 1.1 Crystal growth. Development of ideas of internal structure of crystals.
- 1.2 Space lattices and point systems. X-ray analysis of crystal structure, SEM, TEM.
- 1.3 Morphology of crystals. Fundamental Laws of Crystal Zones and Zonal Symbols.
- 1.4 Symmetry elements, operations. Classification of Crystals in 32 Classes.

UNIT – II

- 2.1 Symmetry and forms of crystals of isometric, tetragonal and hexagonal systems.
- 2.2 Symmetry and forms of crystals of orthorhombic, monoclinic and triclinic systems.
- 2.3 Goniometry of Crystals. Crystal Projections – Spherical, Gnomonic and Stereographic.
- 2.4 Crystal Aggregates, Twinning, Irregularities & Imperfections in Crystals.

UNIT – III

- 3.1 Principles of transmission and reflection of light from crystals. Classification of minerals according to interaction of light, Interference colour.
- 3.2 Refraction and Refractometry. Methods of determination of R.I.
- 3.3 Birefringence in Crystals. Significance and use of plates, wedge and Berek Compensator.
- 3.4 Pleochroism in Crystals.

UNIT-IV

- 4.1 Classification of Crystals into isotropic, Uniaxial and Biaxial minerals.
- 4.2 Isotropic, uniaxial and biaxial indicatrix.
- 4.3 Optical characters of Isotropic and uniaxial minerals.
- 4.4 Optical characters of biaxial minerals.

UNIT - V

- 5.1 Optical Orientation – Extinction angle, Universal stage. Construction & Use.
- 5.2 Dispersion in mineral optic axial angle.
- 5.3 Optical anomalies.
- 5.4 Systematic determination of optical properties of minerals.

Books Recommended:

Phillips, F.C (1971): Introduction to Crystallography, Longman Group Publ.
Dana, E.S. and Ford, W.E. (2002): A textbook of Mineralogy (Reprint).

PRACTICALS

LAB COURSE – I

A] Structural Geology

- 1. Concept of line and plane, attitude of plane and line. Bedding plane, dip and strike, and their measurement
- 2. Criteria for determination of top and bottom of strata in structurally deformed terrain and its study in hand specimen.
- 3. Preparation and interpretation of geological maps for simple structure contour maps, as well as, for fold, fault and unconformity
- 4. Stereographic projection – problems in angular relationship true dip, apparent dip plunge and rake of the intersection of planes.
- 5. Three point problems: Geometric solutions for three-point problems.

B] Survey

- 1. Field techniques of geological mapping using:
- 2. a) Chain tape; Plane table and Prismatic compass
- 3. b) Global Positioning System.

LAB COURSE – II

A] Mineralogy and Geochemistry

- 1. Megascopic study of common rock forming minerals.
- 2. Microscopic study of common rock forming minerals.
- 3. Principles and methods of geochemical analysis. Calculation of mineral formulae.
- 4. Determination of total hardness in water.
- 5. Spot test for qualitative analysis.

(11)

B] Crystallography and Crystal Optics

1. Morphological study of crystal models and twins.
2. Stereographic projection of crystals.
3. Optical determination of
 1. Refractive Index.
 2. Order of Interference colour and birefringence.
 3. Interference figure and optic sign.
 4. Scheme of pleochroism.
 5. An content (Michel Levy's method)
 6. 2V.

SEMESTER – II

COURSE: I – IGNEOUS PETROLOGY

UNIT- I

- 1.1 Factors affecting magma and its evolution. Composition of primary magma; mantle mineralogy.
- 1.2 Partial melting of mantle – different models. Trace element behavior during partial melting.
- 1.3 Magmatic differentiation processes.
- 1.4 Behavior of major and trace elements during fractional crystallization.

UNIT – II

- 2.1 Concurrent assimilation and fractional crystallization. Magma mixing.
- 2.2 Various criterion for classification of Igneous rocks
- 2.3 Petrographic Province. Different variation diagrams and their applications.
- 2.4 Crystallization of basaltic magmas. Generation of magma with reference to plate tectonics.

UNIT - III

Study the petrogenetic significance of following silicate systems:

- 3.1 Albite-Anorthite
- 3.2 Forsterite – Silica
- 3.3 Diopside-Albite-Anorthite
- 3.4 Diopside-Forsterite- Silica Nepheline-kalsilite-silica

UNIT – IV

Petrogenetic study of the following rock types and their distribution in India:

- 4.1 Basalt and Ophiolite
- 4.2 Peridotite and other Ultramafic rocks
- 4.3 Granite, Anorthosite
- 4.4 Komatite, Kimberlite and Lamproite

UNIT- V

- 5.1 Petrogenetic study of the Carbonatite, Lamprophyre, and their distribution in India.
- 5.2 Mid-ocean ridge volcanism and oceanic intra-plate volcanism.
- 5.3 Magmatism associated with subduction related igneous activity- continental and island arcs.
- 5.4 Magmatism in Large Igneous Plutons and continental alkaline magmatism.

Books recommended:

- Bose, M.K. (1997): Igneous Petrology, World Press, Kolkata.
- Best, Myron G. (2002): Igneous and Metamorphic Petrology, Blackwell Science.
- Cox, K.G., Bell, J.D. and Pankhurst, R.J. (1993): The Interpretation of Igneous Rocks, Chapman and Hall, London.
- Faure, G. (2001): Origin of Igneous Rocks, Springer.
- Hall, A. (1997): Igneous Petrology, Longman.
- LeMaitre R.W. (2002): Igneous Rocks: A Classification and Glossary of Terms, Cambridge University Press.
- McBirney (1994): Igneous Petrology, CBS Publ., Delhi.
- Phillipotts, A.R. (1994): Principles of Igneous and Metamorphic Petrology, Prentice Hall of India.
- Sood, M.K. (1982): Modern Igneous Petrology, Wiley-Interscience Publ., New York.
- Srivastava, Rajesh K. and Chandra, R., (1995): Magmatism in Relation to Diverse Tectonic Settings, A.A. Balkema, Rotterdam.
- Wilson, M. (1993): Igneous Petrogenesis, Chapman and Hall, London.
- Winter, J.D. (2001): An Introduction to Igneous and Metamorphic Petrology, Prentice Hall, New Jersey.

SEMESTER – II**COURSE: II - METAMORPHIC PETROLOGY****UNIT – I**

- 1.1 Definition of metamorphism, significance of metamorphic rocks.
- 1.2 Agents and kinds of metamorphism.
- 1.3 Phase rule and its application in metamorphism.
- 1.4 Structure and texture of metamorphic rocks and their significance. Classification of metamorphic rocks.

UNIT – II

- 2.1 Fabric of metamorphic rocks.
- 2.2 Evolution of the concept of depth zones. Systematic study of Barrovian and Abukuma zones of metamorphism.

- 2.3 Grade of metamorphism, Isograd & reaction Isograd and construction of petrogenetic grids.
- 2.4 Study of ACF, AKF and AFM diagrams.

UNIT- III

- 3.1 Concept of Facies and Facies series.
- 3.2 Polymetamorphism and Paired metamorphic belts.
- 3.3 Metamorphic differentiation.
- 3.4 Retrograde Metamorphism and Crystalloblastic series.

UNIT - IV

- 4.1 General Characters of thermal and regional metamorphism of Calcareous, Pelitic and Basic igneous rocks. Migmatites.
- 4.2 Tectonics and Metamorphism
- 4.3 Metasomatism-Principles and types of metasomatism.
- 4.4 Anataxis, Palingenesis.

UNIT-V

- 5.1 Kinetics of metamorphic mineral reaction. Pressure – Temperature – time paths.
- 5.2 Ultra-high temperature metamorphism
- 5.3 Ultra-high pressure metamorphism.
- 5.4 Petrogenetic significance of following rocks with special reference to Indian occurrences:
Charnockite, Amphibolite, Khondalite, Gondite, Eclogite.

Books Recommended:

- Blatt, H. and Tracy, R.J. (1996): Petrology (Igneous, Sedimentary, Metamorphic), W.H. Freeman and Co., New York.
- Bucher, K. and Martin, F. (2002): Petrogenesis of Metamorphic Rocks (7th Rev. Ed.), Springer-Verlag,.
- Kerr, P.F. (1959): Optical Mineralogy, McGraw Hill Book Company Inc., New York.
- Philpotts, A.R. (1994): Principles of Igneous and Metamorphic Petrology, Prentice Hall.
- Powell, R. (1978): Equilibrium thermodynamics in Petrology: An Introduction, Harper and Row Publ., London.
- Rastogy, R.P. and Mishra, R.R. (1993): An Introduction to Chemical Thermodynamics, Vikash Publishing House.
- Spear, F. S. (1993): Mineralogical Phase Equilibria and pressure – temperature – time Paths, Mineralogical Society of America.
- Spry, A. (1976): Metamorphic Textures, Pergamon Press.
- Winter, J.D. (2001): An introduction to Igneous and Metamorphic Petrology, Prentice Hall.

Wood, B.J. and Fraser, D.G. (1976): Elementary Thermodynamics for Geologists, Oxford University Press, London.

Yardley, B.W.D., Mackenzie, W.S. and Guilford, C. (1995): Atlas of Metamorphic Rocks and their textures, Longman Scientific and Technical, England.

Yardley, B.W.D. (1989): An introduction to Metamorphic Petrology, Longman Scientific and Technical, New York.

SEMESTER- II

SEMESTER- II COURSE: III - SEDIMENTOLOGY AND CRUSTAL EVOLUTION

UNIT- I

- 1.1 Earth surface system – liberation and flux of sediments.
- 1.2 Processes of transport and generation of sedimentary structures. Flow regimes and related bed forms
- 1.3 Stromatolites and their significance.
- 1.4 Textural analysis of sediments, Graphical representation, statistical treatment and geological significance.

UNIT – II

- 2.1 Classification of sandstone and carbonate rocks. Dolomite and dolomitization.
- 2.2 Volcaniclastics. Sedimentary environments and facies.
- 2.3 Continental: alluvial-fluvial facies, Lacustrine, Desert – Aeolian and glacial sedimentary environments.
- 2.4 Shallow coastal clastics and shallow water carbonates.

UNIT – III

- 3.1 Evaporites. Deep-sea basins.
- 3.2 Paleocurrents and basin analysis.
- 3.3 Clastic Petrofacies. Palaeoclimates and paleoenvironment analysis.
- 3.4 Diagenesis of sandstone and carbonate rocks – changes in mineralogy, fabric, and chemistry.

UNIT- IV

- 4.1 Petrogenesis of arkoses, greywacke and quartz arenites.
- 4.2 Evolution of lithosphere, hydrosphere, atmosphere and biosphere.
- 4.3 Application of Trace, REE and stable isotopes geochemistry to sedimentological problems.
- 4.4 Surface features of earth – island arcs, mid-oceanic ridges, Young mountain belts and their distribution. Evolution of continental and oceanic crust.

UNIT - V

- 5.1 Lithological, geochemical, stratigraphic characteristics of granite-greenstone belts
- 5.2 Evolution of Proterozoic sedimentary basins of India.
- 5.3 Anatomy of Orogenic belts and formation of mountain roots

5.4 Life in Pre Cambrians, PreCambrian Cambrian boundary with special reference to India

Books Recommended:

- Blatt, H., Middleton, G.V. and Murray, R.C. (1980): Origin of Sedimentary Rocks, Prentice-Hall Inc.
- Collins, J.D., and Thompson, D.B. (1982): Sedimentary Structures, George Allen and Unwin, London.
- Lindholm, R.C. (1987) A Practical Approach to Sedimentology, Allen and Unwin, London.
- Miall, A.D. (2000): Principles of Basin Analysis, Springer-Verlag.
- Pettijohn, F.J. (1975): Sedimentary Rocks (3rd Ed.), Harper and Row Publ., New Delhi.
- Reading, H.G. (1997): Sedimentary Environments and facies, Blackwell Scientific Publication.
- Reineck, H.E. and Singh, I.B. (1973): Depositional Sedimentary Environments, Springer-Verlag.
- Selley, R. C. (2000) Applied Sedimentology, Academic Press.
- Tucker, M.E. (1981): Sedimentary Petrology: An Introduction, Wiley and Sons, New York.
- Tucker, M.E. (1990): Carbonate Sedimentology, Blackwell Scientific Publication.
- Allen P. A. and J.R.L. Allen (2005): Basin Analysis: Principles and Application, Blackwell Publ.
- Perry, C.T. and Taylor, K.G. (2006): Environmental Sedimentology, Blackwell Publ., U.K.
- Bird, J.M. (1980): Plate Tectonics, American Geophysical Union, Washington D.C.
- Briggs, J.C. (1987): Biogeography and Plate Tectonics, Elsevier.
- Lieberman, B. L.(2000): Paleobiogeography: using fossils to study Global Change, Plate Tectonics and Evolution, Plenum Publ., New York.
- Jacquelyne Kious, J. and Tilling, R.I. (2007): This Dynamic Earth: The story of Plate Tectonics, USGS Information Services.
- Gass I.G. (1982): Understanding the Earth. Artemis Press (Pvt) Ltd.U.K.
- Windley B. (1973): The Evolving continents, John Wiley and Sons, New York.

SEMESTER – II COURSE: IV - STRATIGRAPHIC PRINCIPLES AND INDIAN GEOLOGY

UNIT – I

- 1.1 Principles of stratigraphic scales and its divisions, dual classification.
- 1.2 Stratigraphic units – lithostratigraphic, biostratigraphic and chronostratigraphic.
- 1.3 Rules of stratigraphic nomenclature.
- 1.4 Stratigraphic correlation.

UNIT – II

- 2.1 Concept of sequence stratigraphy.
- 2.2 Chief divisions of Indian sub continent and their physiographic characters.
- 2.3 Archaean Era. Distribution and classification in Peninsula (Mysore, Bihar, M. P. and Rajasthan) and extrapeninsular regions. Their correlation and economic importance.
- 2.4 Dharwar Supergroup (Classification, Distribution, Economic importance)

UNIT – III

- 3.1 Cuddaph Supergroup its distribution, classification & equivalent in extra peninsula.
- 3.2 Vindhyan Supergroup – its distribution classification age economic importance and correlation.
- 3.3 Chhattisgarh Group, Indravati Group and Khairagarh Group, their classification, age correlation and economic importance.
- 3.4 Palaeozoic formations of extra peninsular regions with special reference to their classification distribution and correlation.

UNIT – IV

- 4.1 Distribution, geological succession, classification and climate of Gondwana Supergroup.
Age and correlation of Gondwana formations.
- 4.2 Jurassic system of rocks – in extrapeninsular region.
- 4.3 Distribution, Classification & correlation of cretaceous formations of Peninsula and extra peninsulas regions of India.
- 4.4 Distribution, structural features and age of the Deccan Traps. Inter trappeans and infra trappeans of India

UNIT – V

- 5.1 Problems of Permo-triassic and Cretaceous – Palaeocene boundaries.
- 5.2 Distribution, succession, correlation and life of Siwalik formations.
- 5.3 Distribution, lithology, correlation & life of the Cenozoics of Assam & Western India and Pleistocene (Quaternary) deposits, Karewa Beds, Indogangetic Alluvium.
- 5.4 Quaternary climate, glacial and interglacial cycle, Eustatic changes

Books Recommended:

- Boggs, S. (2001): Principles of Sedimentology and Stratigraphy, Prentice Hall.
- Danbar, C.O. and Rodgers, J. (1957): Principles of Stratigraphy, John Wiley and Sons.
- Doyle, P. and Bennett, M.R. (1996): Unlocking the Stratigraphic Record, John Wiley and Sons.
- Krishnan, M.S. (1982): Geology of India and Burma, C.B.S. Publ. and Distributors, Delhi.
- Naqvi, S.M. and Rogers, J.J.W. (1987): Precambrian Geology of India, Oxford University Press.

Pascoe, E.H. (1968): A Manual of the Geology of India and Burma (Vols.I-IV), Govt. of India Press, Delhi.

Pomerol, C. (1982): The Cenozoic Era? Tertiary and Quaternary, Ellis Harwood Ltd., Halsted Press.

Schoch, Robert, M. (1989): Stratigraphy: Principles and Methods, Van Nostrand Reinhold, New York.

Krumbein and Sloss (1963): Stratigraphy and sedimentation II Ed. Freeman & Co.

PRACTICAL

LAB COURSE – I A: IGNEOUS & METAMORPHIC PETROLOGY

1. Megascopic description and identification of igneous and metamorphic rocks.
2. Study of textures and structures of Igneous and metamorphic rocks.
3. Microscopic identification of Igneous and metamorphic rocks.
4. C.I.P.W. Norm calculations and classification of igneous rocks.
5. Constructions of variation diagrams of igneous suits of rocks.
6. Construction of A.C.F., A.K.F. and A.F.M. diagrams.
7. Plotting the Geographical distribution of Igneous and Metamorphic rocks types in and outline map of India.
8. Use of software for norm calculation and geochemical modeling

LAB COURSE – I B: SEDIMENTARY PETROLOGY AND STRATIGRAPHY

1. Megascopic description and identification of sedimentary rocks.
2. Study of sedimentary structures in hand specimen.
3. Microscopic study of sedimentary rocks.
4. Graphic representation of sedimentary data and interpretation.
5. Heavy mineral studies of sediments.
6. Distribution of Important geological formations on outline map of India.
7. Construction of fence diagrams
8. Correlation diagrams. Recognition of transgressive-regressive cycles based on vertical columns.

LAB COURSE - II: GEOLOGICAL FIELD WORK

1. Geological mapping in type areas of India to study structural relations and stratigraphic formations in sedimentary, igneous and metamorphic terrains.
2. Collection and study of primary and secondary structures of rock bodies and their interpretation.
3. Sampling of rocks, minerals and fossils in the field from study areas.




4. Preparation of geological maps and sections from the geological data obtained in the field.
5. Preparation of geological report based on field studies.
6. Viva-Voce on fieldwork and geological report.

SEMESTER - III

COURSE: I - PALAEOLOGY

UNIT – I

- 1.1 Definition of fossil and modes of fossilization their application in age determination, paleoclimatology, palaeogeography and evolution.
- 1.2 Modes and theories of organic evolution, concept of bathymetric distribution of animals, migration and extinction of species.
- 1.3 Outline classification of organisms.
- 1.4 Study of morphology, classification, evolutionary trends and geologic and geographic distribution of Brachiopod.

UNIT – II

Study of morphology, Classification, Evolutionary geologic history of the following

- 2.1 Pelecypoda (Lamellibranches)
- 2.2 Gastropoda.
- 2.3 Cephalopoda
- 2.4 Trilobites.

UNIT – III

Study of morphology, Classification, Evolutionary geologic history of the following

- 3.1 Echinoids. Graptolites and Rugose Corals.
- 3.2 An elementary idea about the origin of major groups of vertebrates.
- 3.3 Study of evolutionary history of Horse and Elephant Man.
- 3.4 Study of evolutionary history of Man.

UNIT – IV

- 4.1 General study of Siwalik mammalian fauna.
- 4.2 Plant life through geologic ages.
- 4.3 Study of fossil flora of Gondwana Group and Tertiary Formations of India.
- 4.4 Definition and scope of micropaleontology.

UNIT - V

- 5.1 Techniques in micropaleontology.
- 5.2 Application of microfossils in stratigraphic correlation, age determination and palaeoenvironmental interpretations.
- 5.3 Study of morphology of foraminifers.

5.4 Classification, evolution and geological distribution of foraminifers.

Books Recommended:

- Boardman, R.S., Cheethan, A.M. and Rowell, A.J. (1988): Fossil Invertebrates, Blackwell.
- Clarksons, E.N.K. (1998): Invertebrate Paleontology and Evolution, Allen and Unwin, London.
- Dobzhansky, Ayala, Stebbins and Valentine (1977): Evolution, Freeman.
- Horowitz, A.S. and Potter, E.D. (1971): Introductory Petrography of Fossils, Springer Verlag.
- Mayr, E. (1971): Population, Species and Evolution, Harvard.
- Prothero, D.R. (2004): Bringing Fossil to Life – An Introduction to Paleontology (2nd Ed.), McGraw Hill.
- Raup, D.M. and Stanley, S.M. (1985): Principles of Paleontology, CBS Publ..
- Smith, A.B. (1994): Systematics and Fossil Record – Documenting Evolutionary Patterns, Blackwell.
- Stearns, C.W. and Carroll, R.L. (1989): Paleontology – the record of life, John Wiley.
- Bigot, G., Grahn and Trotter (1985): Elements of Micropaleontology, London.
- Romer, A.S. (1966): Vertebrate Paleontology (3rd Edn.) Chicago University Press
- SEMESTER - III **COURSE: II - ORE AND FUEL GEOLOGY**

UNIT – I

- 1.1 Modern concepts of ore genesis. Spatial and temporal distribution of ore deposits- Global perspective.
- 1.2 Concept of ore bearing fluids, their origin and migration. Fluid inclusion in ores – limitations and applications.
- 1.3 Texture, paragenesis and zoning in ores.
- 1.4 Wall rock alteration. Structural, physico-chemical and stratigraphic controls of ore localization.

UNIT – II

- 2.1 Orthomagmatic ores of mafic-ultramafic association _ Diamonds in Kimberlites, REE in Carbonatite, Ti -V Ores, Chromite and PGE, Ni Ores.
- 2.2 Cyprus type Cu-Zn Ores.
- 2.3 Ores of Silicic igneous rocks- Kiruna type Fe-P. Pegmatoids, Greisen and Skarn deposits.
- 2.4 Porphyry associations – Kuroko type Zn-Pb-Cu, Malankhand Type Cu-Mo deposits.

UNIT – III

- 3.1 Ores of Sedimentary affiliations- Chemical and Clastic sediments. Stratiform and Stratabound ore deposits. (Fe, Mn, non ferrous). Placers and paleoplacers.
- 3.2 Ores of Metamorphic affiliations. Metamorphism of ores and metamorphogenic ores.

- 3.3 Ores related to weathered surfaces – Bauxite, Ni and Au laterite.
- 3.4 Mineralogy, genesis, distribution in India and uses of Cu, Pb, Zn.

UNIT- IV

Mineralogy, genesis, distribution in India and uses of following ore deposits:

- 4.1 Iron and manganese
- 4.2 Gold and Silver
- 4.3 Aluminum and chromium
- 4.4 National Mineral Policy and mineral concession rules.

UNIT – V

- 5.1 Definition and origin of Kerogene and coal. Rank, Grade and type of coal. Microscopic constituents of coal.
- 5.2 Chemical characterization of coal Proximate and Ultimate analysis. Coal bed methane.
- 5.3 Distribution of Coal in India. Origin, nature and migration of oil and gas. Characteristics of reservoir rocks.
- 5.4 Oil bearing basins of India. Geology of productive oil fields of India. Mode of Occurrence and association of atomic minerals in nature. Productive geological horizons.

Books Recommended:

- Branes, H.L. (1979): Geochemistry of Hydrothermal Ore Deposits, John Willey.
- Cuilbert, J.M. and Park, Jr. C.F. (1986): The Geology of Ore Deposits, Freidman.
- Evans, A.M. (1993): Ore Geology and Industrial Minerals, Blackwell.
- James R. Craig and David J. Vaughan (1994): Ore Microscopy and Petrography.
- Klemm, D.D. and Schnieder, H.J. (1977): Time and Strata Bound Ore Deposits, Springer-Verlag.
- Mookherjee, A. (2000): Ore Genesis-A Holistic Approach, Allied Publisher.
- Ramdhor, P. (1969): The Ore Minerals and their Intergrowths, Pergamon Press.
- Stanton, R.L. (1972): Ore Petrology, McGraw Hill.
- Wolf, K.H. (1976-1981): Hand Book of Stratabound and Stratiform Ore Deposits, Elsevier Publ.
- Chandra, D. Singh, R.M. Singh, M.P. (2000): Textbook of Coal (Indian context), Tara Book Agency, Varanasi.
- Singh, M.P. (1998): Coal and organic Petrology, Hindustan Publishing Corporation, New Delhi.
- Texbook of Coal petrology, Gebruder Borntraeger, Stuttgart.
- Van Krevelen, D. W. (1993): Coal, Typology-Physics-Chemistry-Constitution), Elsevier Science, Netherlands.
- North, F.K. (1985): Petroleum Geology, Allen Unwin.
- Selley, R.C. (1998): Elements of Petroleum Geology, Academic Press.
- Mineral Concession Rules 1960 (2005), IBM, Nagpur.

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Sinha, R.K. and Sharma, N.L. (1976): Mineral economics, Oxford and IBH Publ.

SEMESTER- III

SEMESTER - III COURSE: III - GEOMORPHOLOGY AND REMOTE SENSING

UNIT – I

- 1.1 Geomorphic concepts and geomorphic cycle.
- 1.2 Geomorphic processes – Weathering, soil formation, Mass-Wasting.
- 1.3 Valley development, cycle of erosion, rejuvenation.
- 1.4 Drainage patterns and their significance.

UNIT – II

- 2.1 Fluvial landforms and Glacial landforms
- 2.2 Karst topography.
- 2.3 Arid and Eolian landforms
- 2.4 Coastal and volcanic landforms.

UNIT – III

- 3.1 Terrain evaluation and concept of morphometric analysis.
- 3.2 Geomorphological mapping based on genesis of landforms.
- 3.3 Geomorphic regions of India. Principles of terrain analysis.
- 3.4 Concept and physical basis of remote sensing. Platforms: Terrestrial, Aerial and Space platforms. Advantages and limitations.

UNIT – IV

- 4.1 Electromagnetic spectrum and principles of remote sensing.
- 4.2 Interaction of EMR with atmosphere and earth surface features.
- 4.3 Remote sensing sensors, data acquisition, visual interpretation and digital processing techniques. Interpretation of topographic and tectonic features
- 4.4 Aerial photography, photographs and their geometry. Photogrammetry.

UNIT - V

- 5.1 Satellite remote sensing. Global and Indian space missions. Satellite exploration Programs and their characteristics
- 5.2 Application of remote sensing in geology.
- 5.3 Application in Geomorphology.
- 5.4 Application in groundwater evaluation, terrain evaluation and strategic purposes.

Books recommended:

- Drury, S.A. (2001): Image Interpretation in Geology, Allen and Unwin.
 Gupta, R.P. (1991): Remote Sensing Geology, Springer-Verlag.
 Halis, J.R. (1983): Applied Geomorphology.
 Holmes, A. (1992): Holmes Principles of Physical Geology, Edited by P. McL. D. Duff. Chapman and Hall.
 Lillesand, T.M. and Kiefer, R.W. (1987): Remote Sensing and Image Interpretation, John Wiley.
 Sharma, H.S. (1990): Indian Geomorphology, Concept Publishing Co., New Delhi.
 Siegal, B.S. and Gillespie, A.R. (1980): Remote Sensing in Geology, John Wiley.
 Thornbury, W.D. (1980): Principles of Geomorphology, Wiley Easton Ltd., New York.

SEMESTER - III

COURSE: IV - MINERAL EXPLORATION

UNIT- I

- 1.1 Prospecting & Exploration: Definition and characteristic features. Stages of prospecting, regional and detailed exploration; objectives and practices of these stages.
- 1.2 Guides to ore search: global, regional and local guides.
- 1.3 Detailed study of Regional, Physiographic, Stratigraphic, Lithological, Mineralogical and Structural guides.
- 1.4 Drilling: Type of drills, Diamond drilling, Drilling records and logs, Duty of geologists during drilling.

UNIT- II

- 2.1 Sampling: General principles, various methods and procedures. Salting. Precautions during Sampling.
- 2.2 Calculating grade and tonnage of ore: Average grade, volume, specific gravity, tonnage factor, UNFC classification
- 2.3 Gravity Method of prospecting: Principle and Instrumentation. Gravity field surveys. Gravity corrections: Free-air correction, Bouguer correction, Latitude correction, Terrain correction. Magnetic method of prospecting: Magnetic properties. Magnetic anomaly. Magnetometer. Field survey. Preparation of magnetic anomaly maps. Aeromagnetic surveys.
- 2.4 Seismic prospecting: Fundamentals of seismic wave propagation. Methods of seismic prospecting: Refraction and reflection seismic methods. Seismic Stratigraphy, Detection of hydrocarbons.

UNIT-III

- 3.1 Electrical methods of prospecting: Basic principles of resistivity method. Electrical properties of rocks, Flow of current through ground surface, Apparent resistivity, Electrode arrangements, Resistivity survey. Application and interpretation of resistivity data.

- 3.2 Electromagnetic methods of prospecting: Electromagnetic spectrum and induction, EM frequency and depth of penetration, EM response of conductors, Classification of EM methods and their description: Telluric current method, Magnetotelluric method, CSMT/CSAMT, Tilt angle method, Turam method, VLF method, Transient EM methods, Ground Penetrating Radar.
- 3.3 Radiometric prospecting and Borehole Logging. Radiometric survey, Application and interpretation of data.
- 3.4 Borehole logging: Different geophysical logs, Equipment; measurements and interpretation.

UNIT- IV

- 4.1 Geochemical mobility and association of elements. Forms of primary and surficial dispersion patterns.
- 4.2 Secondary dispersion processes and anomalies. Factors affecting dispersion patterns.
- 4.3 Geochemical surveys: Litho-geochemical and Pedo-geochemical surveys.
- 4.4 Geochemical surveys: Hydro-geochemical, Atmo-geochemical and Bio-geochemical surveys.

UNIT - V

- 5.1 Case studies of regional exploration for deposits of plutonic associations; vein and replacement types; magmatic sulphides and chromite; pegmatitic deposits of Sn and rare metals;
- 5.2 Case studies of regional exploration for deposits of hydrothermal deposits of Au-Ag, base metals, W-Mo, U; skarn deposits; sedimentary and supergene deposits.
- 5.3 Instrumental analytical techniques.
- 5.4 Statistical analysis and interpretation of geochemical prospecting data.

Books Recommended:

- Dobrin, M.B. and Savit, C.H. Introduction to Geophysical Prospecting, McGraw Hill, New York, 1988
- Sheriff, R.E. and Geldart, L.P. Exploration Seismology, Cambridge University Press, Cambridge, 1995.
- Telford, W.M., Geldart L.P., and Sheriff, R.E. Applied Geophysics, Cambridge University Press, Cambridge, 1990.
- DS Parasanis. Principle of Applied Geophysics (Chapman and Hall, London)
- PB Sharma. Environmental and Engineering Geophysics (Cambridge University Press)
- TS Ramakrishna. Geophysical Practice in mineral exploration and mapping (Geological Society of India, Memoir 62), 2006.
- Peters, W.C. 1987. Exploration and mining geology. 2nd edition. John Wiley & Sons, New York.
- Rose, A.W., Hawkes, H.E. & Webb, J.S. 1979. Geochemistry in mineral exploration. Academic Press, London.

- Levinson, A.A. 1974. Introduction to exploration geochemistry. Applied Publication Co., Calgary.
- Marjoribanks, R.W. 1997. Geological Methods in Mineral Exploration and Mining, Chapman & Hall, London.
- Kuzvart, M. and Bohmer, M. 1986. Prospecting and Exploration of Mineral Deposits, Elsevier, Amsterdam, 1986.
- Edwards, R.P and Atkinson, K. 1986. Ore Deposit Geology and its Influence on Mineral Exploration, Chapman & Hall, New York.
- Moon, C.J., Whateley, M.K.G. and Evans, A.M. 2006. Introduction to mineral exploration, 2nd edition. Blackwell Publishing Ltd. Oxford.
- Arogyaswami, R.P.N. (1996): Courses in Mining Geology, Oxford and IBH Publ.
- Bagchi, T.C., Sengupta, D.K., Rao, S.V.L.N. (1979): Elements of Prospecting and Exploration, Kalyani Publ.
- Banerjee, P.K. and Ghosh, S. (1997): Elements of Prospecting for Non-fuel Mineral deposits, Allied Publ.
- Chaussier, Jean – Bernard and Morer, J. (1987): Mineral Prospecting Manual. North Oxford Academic.
- Dhanraju, R. (2005): Radioactive Minerals, Geol. Soc. India, Bangalore.
- Rajendran, S. (2007): Mineral Exploration: Recent Strategies.
- Sinha, R.K. and Sharma, N.L. (1976): Mineral economics, Oxford and IBH Publ.

PRACTICAL

LAB COURSE: I - ORE GEOLOGY AND MINERAL EXPLORATION

1. Megascopic study of metallic and nonmetallic economic minerals. Description and identification, uses and distribution in India.
2. Description and identification of ore minerals in polished section of ores.
3. Study of ore textures and structure under the microscope.
4. Paragenetic study of ore minerals and construction of Paragenetic diagrams.
5. Location of important metallic and non-metallic mineral compels in a map of India.
6. Calculation of ore reserves and assay values.
7. Study and interpretations of Isopach and Isograde maps.
8. Evaluation of simple mining plans.
9. Interpretation of Geophysical and geochemical anomaly maps.
10. Numerical problems based on Geophysical and geochemical data.

LAB COURSE: II

[A] PALEONTOLOGY

1. Study and identification of important invertebrate, vertebrate and plant fossils. Drawing of neat sketches of fossils.

2. Sketching and labeling of representative fossil specimens.
3. Identification and study of important foraminifers.

[B] GEOMORPHOLOGY AND REMOTE SENSING

1. Identification and interpretation of drainage patterns
2. Drawing of labeled diagrams of landforms
3. Determination of stream order, bifurcation ratio, drainage density, stream frequency, infiltration number.
4. Slope studies of landforms.
5. Study of areal photographs and satellite imageries and identification of landforms.

SEMESTER - IV

COURSE: I – MINING GEOLOGY, ENGINEERING GEOLOGY AND MINERAL DRESSING

UNIT – I

- 1.1 Definition of mining terms: pitting, trenching, adits, tunnels, and shafts.
- 1.2 Role of geologist in mining industry.
- 1.3 Geological structures of ore deposits and choice of mining methods.
- 1.4 Mine Subsidence and mine support. Rock bursts, Mine Ventilation. Mine Drainage.

UNIT – II

- 2.1 Geological and geomorphic control on mining methods. Alluvial mining.
- 2.2 Open pit mining. Methods of opencast mining; its advantages and limitations.
- 2.3 Underground mining methods – drifting; cross cutting; winzing; stoping; room and pillaring; top –slicing; sub- level caving and block caving.
- 2.4 Coal mining methods: Long wall, Board and Pillar method.

UNIT - III

- 3.1 Engineering properties of rocks and soil. Physical characters of building stones. Aggregate.
- 3.2 Geological considerations for evaluation of Dam and reservoir sites. Dam foundation problems. Dam failure.
- 3.3 Geotechnical evaluation of tunnel alignment and transportation routes. Methods of tunneling.
- 3.4 Role of geologist in engineering projects.

UNIT - IV

- 3.1 General principles and scope of Mineral Dressing.
- 3.2 Primary and secondary breaking, crushing and grinding, liberation by sizes, reduction.
- 3.3 Principles and methods of screening.
- 3.4 Principles and methods of classification, classification as a means of concentration.

UNIT- V

- 4.1 Concentration methods, hand sorting, washing, jigging, tabling heavy fluid.
- 4.2 Magnetic and electrostatic methods of separation of minerals.
- 4.3 Floatation methods- Principles and techniques with examples.
- 4.4 Application of ore microscopy in mineral dressing.

Books Recommended:

- Dobrin, M. B.; Savit, C. H. (1988): Introduction to Geophysical Prospecting, McGraw-Hill.
- Keary, P., Brooks, M. and Hill, I. (2002): An introduction to geophysical exploration, (3rd Ed.), Blackwell.
- Krynine, D.H. and Judd, W.R. (1998): Principles of Engineering Geology, CBS Publ..
- Rider, M. H. (1986): Whittles Publishing, Caithness. The Geological Interpretation of Well Logs, (Rev. Ed).
- Schultz, J.R. and Cleaves, A.B. (1951): Geology in Engineering, John Willey and Sons, New York.
- Singh, P. (1994): Engineering and General Geology, S.K. Kataria and Sons, Delhi.
- Bell F G Engineering Geology, Second Edition by, 2007. Butterworth-Heinemann, Oxford 5.
- Sathya Narayanaswami. Engineering Geology. Dhanpat Rai and Co. 1710, Nai Sarak, Delhi- 110006.. 2000

SEMESTER - IV COURSE: II – ENVIRONMENTAL GEOLOGY

UNIT- I

- 1.1 Definition, Scope and Basic concepts of Environmental Geology.
- 1.2 Environment, Ecology, Ecosystems and habitat.
- 1.3 Renewable and non-renewable natural resources.
- 1.4 Role of geology in natural resources management and environmental planning.

UNIT- II

- 2.1 Landforms as ecosystem units.
- 2.2 Characteristics of various environmental regimes – fluvial, coastal, marine, Aeolian, desert, and glacial.

- 2.3 Understanding their causes, types, Mitigation and Management.
Geomorphic controls on biodiversity and its conservation.
- 2.4 Conservation of soil and water resources.

UNIT- III

- 3.1 Geological hazards: Lands slides, Volcanic activity, Earthquake and Tsunami.
- 3.2 Understanding their causes, types, Mitigation and Management.
- 3.3 Draught and desertification, Measures of mitigation.
- 3.4 Sea level changes. Measures of mitigation.

UNIT - IV

- 4.1 Geological hazards -River flooding, erosion and sedimentation, coastal erosion, cyclones and tsunamis.
- 4.2 Human modifications of nature on surface and subsurface by engineering.
- 4.3 Human modifications of nature on surface and subsurface by mining activities.
- 4.4 Human settlement and contamination of atmosphere, soil, surface water and groundwater by waste disposal and agro-industries.

UNIT- V

- 5.1 National Environmental Policy for air and water pollution.
- 5.2 National Environmental Laws.
- 5.3 Climate Change and global warming: Causes and Impact (Ozone layer depletion and ozone hole).
- 5.4 Environment impact assessment report and preparation of environment Management plans.

Books Recommended:

- Bryant, E. (1985): Natural Hazards, Cambridge Univ. Press.
 Keller, E.A.(1978): Environmental Geology, Bell and Howell, USA.
 Nagabhushaniah, H.S. (2001): Goundwater in Hydrosphere, CBS Publ.
 Perry, C.T. and Taylor, K.G. (2006): Environmental Sedimentology, Blackwell Publ.
 Singh, S. (2001): Geomorphology, Pustakalaya Bhawan, Allahabad.
 Todd, D.K. (1995): Groundwater Hydrology, John Wiley and Sons.
 Valdiya, K.S.(1987): Environmental Geology – Indian Context, Tata McGraw Hill.
 Montgomery, C.W. Environmental Geology, Won. C. Brown, Publishers, Iowa, 1989.
 Dorothy Merritts, Andrew de Wet, Kirsten Menking, Environmental Geology W. H. Freeman & Co. and Sumanas, Inc. USA, 1997

SEMESTER - IV

COURSE: III – HYDROGEOLOGY

UNIT- I

- 1.1 Scope of hydrogeology and its relation with hydrology, meteorology and their uses in the Hydrogeological investigation.
- 1.2 Hydrologic cycle. Role of groundwater in the hydrologic cycle.
- 1.3 Hydrograph, data collection and analysis.
- 1.4 Water table and piezometric surface. Water table fluctuation. Water table contour maps, interpretation and uses.

UNIT- II

- 2.1 Water bearing formation - aquifers, aquitard, aquiclude, aquifuse. Aquifer types: perched, unconfined, semi-confined and confined. Isotropic, anisotropic aquifers.
- 2.2 Porosity, permeability. Ground water movement: Darcy's law and its applications.
- 2.3 Specific yield and specific retention. Storativity and transmissivity
- 2.4 Steady and unsteady flow, leaky aquifers. Groundwater flow near aquifer boundaries

UNIT- III

- 3.1 Bounded aquifers. Image wells.
- 3.2 Water wells and their types. Construction of wells.
- 3.3 Well Development and completion.
- 3.4 Pumping test and Yield of wells.

UNIT-IV

- 4.1 Geological and Hydrogeological methods of groundwater exploration.
- 4.2 Geophysical methods – Electrical resistivity method for groundwater exploration
- 4.3 Application of remote sensing in groundwater exploration.
- 4.4 Basin wise development of groundwater with special reference to Chhattisgarh region.

UNIT – V

- 5.1 Groundwater provinces of India.
- 5.2 Sources of dissolved constituents in groundwater. Groundwater quality standards-drinking, domestic, agriculture and industry. Groundwater pollution.
- 5.3 Groundwater management. Safe yield, overdraft and spacing of wells.
- 5.4 Conservation of Groundwater; conjunctive use of water. Artificial recharge.

Books Recommended:

- C.F. Tolman (1937): Groundwater, McGraw Hill, New York and London.
 D.K. Todd (1995): Groundwater Hydrology, John Wiley and Sons.
 F.G. Driscoll (1988): Groundwater and Wells, UOP, Johnson Div.St.Paul. Min. USA.
 H.M. Raghunath (1990): Groundwater, Wiley Eastern Ltd.
 H.S. Nagabhushaniah (2001): Groundwater in Hydrosphere (Groundwater hydrology), CBS Publ.
 K. R. Karanth (1989): Hydrogeology, Tata McGraw Hill Publ.

S.N. Davies and R.J.N. De Wiest (1966): Hydrogeology, John Wiley and Sons, New York

PRACTICAL

LAB COURSE – I

150 Marks

[A] HYDRGEOLOGY

1. Hydrogeological properties of rocks.
2. Interpretation of water table maps.
3. Computation of pumping test data.
4. Interpretation of Hydrogeochemical data and their plotting in different diagrams.
5. Sieve analysis and screen gravel pack design.
6. Plotting of groundwater provinces on an outline map of India.
7. Computation of Resistivity (VES) data.

[B] ENGINEERING GEOLOGY AND MINING GEOLOGY

1. Interpretation of engineering properties of rocks in hands specimens.
2. Determination of compressive, tensile and shear strength of rocks.
3. Determination of porosity and absorption of building materials.
4. Mechanical analysis of soils and unconsolidated materials.
5. Preparation of core-logs and their Geotechnical interpretation from bore hole data.
6. Plotting the geographical distribution of important dams, tunnels on the outline of India.
7. Terrain studies from satellite imageries, aerial photographs and Toposheet.
8. Concentration methods- with flow sheets of common types of mineral and ore dressing practicess in India - Gold, copper, Lead-zinc, coal, beach sand, fluorite, iron, manganese, chromite and limestone.

CORE ELECTIVE COURSES

ME- I ADVANCED HYDROGEOLOGY

UNIT- I

- 1.1 Hydrologic cycle, ground water in hydrologic cycle
- 1.2 Hydrograph and hydrographic analysis
- 1.3 Water balance studies
- 1.4 Springs (including thermal): Origin and movement of water.

UNIT- II

- 2.1 Geologic structures favouring groundwater movement. Groundwater reservoir properties.
- 2.2 Forces and laws of groundwater movement.
- 2.3 Well hydraulics: confined, unconfined, unsteady and radial flow. Water level fluctuation and its causative factors.
- 2.4 Water well technology: Well types, drilling methods, construction, designing, development and maintenance of wells.

UNIT- III

- 3.1 Groundwater in arid and semiarid regions.
- 3.2 Groundwater in coastal and alluvial regions.
- 3.3 Groundwater in hard rocks and limestone terrain. Environmental impact on groundwater extraction.
- 3.4 Ground water recharge: artificial and natural. Factors controlling recharge. Conjunctive and consumptive use of groundwater.

UNIT- IV

- 4.1 Chemical characterization of groundwater in relation to domestic and industrial uses.
- 4.2 Chemical characterization of groundwater for irrigation purposes.
- 4.3 Water pollution: remedial measures and treatment
- 4.4 Problems of arsenic and fluoride in water.

UNIT-V

- 5.1 Geological and hydrogeological methods of groundwater exploration.
- 5.2 Geophysical surface resistivity and seismic methods in groundwater exploration. Geophysical water well logging.
- 5.3 Application of remote sensing and radiogenic isotopes in hydrogeological studies.
- 5.4 Basin-wise groundwater management.

LAB COURSE: ME-IL

- 1 Morphometric analysis of Watershed
- 2 Interpretation of groundwater features on water table maps
- 3 Computation of storativity and transmissivity of aquifer from pumping test data
- 4 Interpretation of subsurface layers from resistivity field survey data
- 5 Chemical quality assessment of groundwater
- 6 Use of Software for morphometric analysis,

ME-II PROJECT ORIENTED DISSERTATION

SCRIPT EVALUATION	100
SEMINAR	25
VIVA VOCE	25

MINOR ELECTIVE (CBCS)

GMnE-I FUNDAMENTAL OF GEOLOGY

UNIT- I

- 1.1 Geology and its perspective. Earth in the Solar System
- 1.2 Age of the earth.
- 1.3 Interior of the earth and its manifestation.
- 1.4 Brief introduction of hydrosphere and atmosphere. Hydrologic Cycle.

UNIT- II

- 2.1 Earthquakes and Volcanoes.
- 2.2 Continental Drift
- 2.3 Fundamentals of Plate Tectonics and Plate boundaries
- 2.4 Distribution of Oceans and Continents. Tectonic divisions of India

UNIT- III

- 3.1 Definition and classification of minerals, rock forming minerals
- 3.2 Classification of rocks. Igneous rocks and their types.
- 3.3 Sedimentary and Metamorphic rocks and their types.
- 3.4 Deformation in rocks. Folds, Faults and Unconformities

UNIT- IV

- 4.1 Geomorphic agents, Weathering.
- 4.2 Salient geomorphic features.
- 4.3 Types mountains and plains
- 4.4 Fossils and their applications

UNIT- V

- 5.1 Industrial uses of Iron, Manganese, Bauxite
- 5.2 Industrial uses of Copper, Lead and Zinc
- 5.3 Fossil Fuels: Coal and Petroleum- mode of occurrence and distribution in India

5.4 Conservation of energy and mineral resources.

Books Recommended:

Mukherjee, P. K. (2005). Text Book of Geology, The World Press Pvt. Ltd.
Roy, A. B. (2010). Fundamentals of Geology, Narosa Pub. House Pvt. Ltd.
Rogers and Adams (1966), Fundamentals of Geology, Harper & Row

GMnE- 2 DISASTER MANAGEMENT

UNIT- I

- 1.1 Natural Disasters: Introduction
- 1.2 Causes and impact of Floods, Droughts,
- 1.3 Cyclone, Landslides,
- 1.4 Earthquake and Tsunamis

UNIT- II

- 2.1 Man-made Disasters: introduction
- 2.2 Causes and impact of Nuclear, Industrial accidents,
- 2.3 Environmental disasters, fires, rail accidents, road accidents,
- 2.4 Air accidents and sea accidents

UNIT – III

- 3.1 Hazard Risk Concept and Elements.
- 3.2 Risk Analysis and Risk Assessment.
- 3.3 Resource Analyses and Mobilisation.
- 3.4 Strategic Developments for Vulnerability Reduction

UNIT- IV

- 4.1 Disaster Preparedness: Conception and Nature.
- 4.2 Disaster Management – Prevention, Preparedness and Mitigation.
- 4.3 Search and rescue operations
- 4.4 Use and Applications of Emerging Technologies in Disaster Preparedness.

UNIT- V

- 5.1 Disaster Management Plan
- 5.2 Disaster Response Plan.
- 5.3 Communication, Participation, and Activation of Emergency Preparedness Plan.
- 5.4 Logistics Management.

Books Recommended:

Bell, F.G. (1999): Geological Hazards, Routledge, London.
Bryant, E. (1985): Natural Hazards, Cambridge Univ. Press.
Keller, E.A. (1978): Environmental Geology, Bell and Howell, USA.

- Lal, D. S. (2007): Climatology, Sharda Pustak Bhawan, Allahabad.
Patwardhan, A.M. (1999): The Dynamic Earth System, Prentice Hall.
Smith, K. (1992): Environmental Hazards, Routledge, London.
Subramaniam, V. (2001): Textbook in Environmental Science, Narosa International.
Valdiya, K.S. (1987): Environmental Geology – Indian Context, Tata McGraw Hill.

SCHOOL OF STUDIES IN GEOLOGY & WRM

PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR

SYLLABUS FOR

POST GRADUATE DIPLOMA IN APPLIED HYDROGEOLOGY

(in collaboration with Rajiv Gandhi National Ground Water Training and Research Institute, CGWB)

The **AIM** of the Course is capacity building & Research within the state of Chhattisgarh. Applications in Hydrogeology for Geoscientists present the most recent scientific developments in the field that are accessible yet rigorous enough for industry professionals and academic researchers alike.

OBJECTIVE OF THE COURSE is to provide an opportunity for individuals to learn the full scope of hydrogeology. The course addresses the developments in hydrogeology, ground water and hydrology that are underscored with perspectives regarding the challenges that are facing industry professionals, researchers, and academia and emerge as a *Professional Hydrogeologist*.

1. COURSE STRUCTURE AND DURATION

The course shall comprise of two theory papers, two lab course practical and an independent dissertation. The duration of the course will be of one year duration. The details are as follows:

Theory	
Paper I	Groundwater Occurrence, Movement, Distribution & Hydraulics
Paper II	Groundwater Regime Monitoring and Assessment
Practicals	
Lab Course I	Groundwater Occurrence, Movement, Distribution & Hydraulics
Lab Course II	Groundwater Regime Monitoring and Assessment
Dissertation (Report + Presentation + Viva voce)	

2. SCHEME OF EXAMINATION: The total marks for the course shall be 500, including theory, practical and dissertation.

Theory		Max Marks
Paper I	Groundwater Occurrence, Movement, Distribution & Hydraulics	100
Paper II	Groundwater Regime Monitoring and Assessment	100
Practicals		
Lab Course I	Groundwater Occurrence, Movement, Distribution & Hydraulics	50
Lab Course II	Groundwater Regime Monitoring and Assessment	50
Dissertation (Report + Presentation + Viva voce)		200
Total		500

3. RESULT DECLARATION:

The minimum score for passing theory is 50% and practical is 50%. The candidate has to score minimum 50% marks in theory and practical examination separately. The viva-voce will be based on the overall understanding of the subject

4. SYLLABUS

Paper I: Groundwater Occurrence, Movement, Distribution & Hydraulics

Maximum Marks: 100

Unit – I

Occurrence of Ground Water; Hydrological Cycle; Precipitation, Infiltration, Percolation, Runoff, baseflow; Rainfall data Analysis; Origin, Age, Ground Water on earth; Types of water; Vertical Distribution of Water

Unit – II

Ground Water Movement; Types of Aquifer; Aquifer Properties – Permeability, Storage, Storativity, Transmissivity; Equation Governing groundwater flow, groundwater flowdirection, groundwater flowrates, groundwater dispersion

Unit – III

Concept of drainage basin, including watershed and groundwater basin. Aquifer systems and Groundwater Provinces of India; Hydrogeology of Alluvial aquifer, Arid aquifer, Hard rock aquifer/ Basaltic Aquifer, Himalayan aquifer, Coastal and wetland aquifer, Island aquifer.

Unit – IV

Well Hydraulics; Groundwater flow-An Overview; Darcy's law and its applications; Determination of permeability in laboratory and in field; Flow through aquifers; steady, unsteady and radial flow conditions; Effect of partial penetrating wells, well losses, specific capacity; Evaluation of aquifer parameters of confined, semi-confined and unconfined aquifers -Thiem, Thies, Jacob and Walton's methods; Yield characteristics of wells; Pumping tests- methods, data analysis and interpretation.

Unit - V

Role of remote sensing in groundwater exploration; Hydrogeomorphic and lineament mapping; Surface geophysical methods; Types of water wells and methods of construction. Site selection for groundwater exploration, Water well drilling techniques; Design, development, maintenance and revitalization of wells; Sub-surface geophysical methods.

Paper II: Groundwater Regime Monitoring and Assessment

Maximum Marks: 100

Unit – I

Water level monitoring; Water table and piezometric surface, Springs; Fluctuations of water table/Flow net analysis; Barometric and tidal effects; Representation of water level data -Water table contour; Hydrographs; statistics

Unit – II

Ground Water Quality monitoring; Physical and chemical properties of water; Quality criteria and standards for different uses; Groundwater quality in different provinces in India; Groundwater contamination; natural (geogenic) and anthropogenic contaminants; Inland salinity, Saline water intrusion; governing principles, Use of Radioactive isotopes in hydrogeological studies; Collection of water sample and analysis; Presentation of water quality data - contours, point map, statistics

Unit – III

History of Ground Water Assessment in India; Ground Water Estimation Methodology in Vogue i.e. GEC 2015; Ground Water Balance equation; Various inflow terms and their estimation; Various outflow terms including Base flow and their estimation; Estimation of Dynamic and In-storage Ground Water Resources of Unconfined, Confined and Semi-Confined Aquifers. Estimation of Stage of Ground Water Extraction and Categorization; Use of Tracers in Ground Water Studies; Natural and Artificial Tracers and their Application; Various Techniques used in Ground Water Studies to measure the parameters needed in the Assessment of Ground Water Resources.

Unit - IV

Principles of Groundwater Management — supply side and demand side management, Concept of sustainable development of groundwater resources; Groundwater Issues and Challenges -Over-exploitation of groundwater, ground water issues in coastal areas; issues of ground water in mining areas, waterlogging in canal command areas; urban areas; water quality issues; Conjunctive use of surface and groundwater; Impact of Climate change on groundwater resources; Rainwater harvesting and managed aquifer recharge; Rainwater harvesting concept; Rainwater harvesting Methods; Managed aquifer recharge; Site identification, Source water assessment, Recycle and reuse; Recharge Methods; Induced recharge - aquifer – river interaction.

Unit – V

Groundwater modelling; Analytical models, Mathematical models / Numerical models, Statistical / Stochastic models, Time series analysis, Mathematical models -case studies. Groundwater regulation, Groundwater ownership, constitutional provisions, Issues and challenges in groundwater legislation adoption. Groundwater legislation.

Lab Course I: Groundwater Occurrence, Movement, Distribution & Hydraulics

Maximum Marks: 50

Rainfall data analysis, Runoff and baseflow estimation, Demarcation of watershed from drainage map, Determination of permeability in laboratory, Determination of well losses and aquifer losses and well efficiency using step drawdown test data, Determination of T using Theim solution, Determination of T and S values of confined aquifers using Theis and Jacob solutions, Determination of T and S values of semi-confined aquifers using Walton solution, Determination of T and S values of unconfined aquifers using Boulton solution, Determination of specific capacity using Slichter method, Determination of optimum yield using Saleem Romani method, Delineation of hydrogeomorphic units and lineaments using visual interpretation techniques, Application of VES for pinpointing a site for water well.

Lab Course 2: Groundwater Regime Monitoring and Assessment

Maximum Marks: 50

Three point problem, Preparation of water table map, Delineation of ground water flow direction, Preparation of water level maps and preparation of fluctuation maps, Preparation of EC contour maps, point maps of fluoride, Piper trilinear diagram, US salinity diagram and Wilcox diagram with chemical parameters. Ground water resources estimation of a watershed using GEC 2015 methodology. Exercise on rainwater harvesting/ artificial recharge – estimation of available resource and selecting suitable methods. Preparation of ground water hydrographs.

Dissertation (Report + Presentation + Viva-voce)

Maximum marks: 200

Dissertation is an essential component of the course. Every student has to carry out fieldwork (in continuation or in breaks) during the course. The candidate will be required to submit a field report for evaluation as a part of the examination. The candidate can choose a theme or a combination of themes, dissertation under the guidance of a Supervisor, as mentioned below:

1. Ground Water Data Collection Feasibility studies
2. Water quality data Collection, analysis and interpretation.
3. Well logs -lithological log, drill time log, geophysical logs
4. Pumping test, Infiltration test, Slug test, Discharge Measurement
5. Geophysical surveys
6. Water audit and Impact assessment
7. Socio-economic surveys – Unit draft, Crops yield and ground water usage, micro irrigation, water use efficiency.

The candidate will have to complete his fieldwork related to Project and the Dissertation thesis must be submitted within 30 days after the completion of theory examination.

Recommended Textbooks: Only the basic textbooks are mentioned here. The student is advised to consult Library and e-resources for in-depth knowledge.

1. C.F. Tolman (1937): Groundwater, McGraw Hill , New York and London.
2. D.K. Todd (1995): Groundwater Hydrology, John Wiley and Sons.
3. F.G. Driscoll (1988): Groundwater and Wells, UOP, Johnson Div.St.Paul. Min. USA.
4. H.M. Raghunath (1990): Groundwater, Wiley Eastern Ltd.
5. H.S. Nagabhushaniah (2001): Groundwater in Hydrosphere (Groundwater hydrology), CBS Publ.
6. K. R. Karanth (1989): Hydrogeology, Tata McGraw Hill Publ.
7. S.N. Davies and R.J.N. De Wiest (1966): Hydrogeology, John Wiley and Sons, New York
8. R. Allan Freeze and John A. Cherry (1979): Groundwater, Prentice-Hall, Inc. ISBN 0-13-365312-9

SCHOOL OF STUDIES IN GEOLOGY & WRM

PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR

SYLLABUS FOR

POST GRADUATE DIPLOMA IN REMOTE SENSING & GIS

IN COLLABORATION WITH

SCHOOL OF STUDIES IN GEOGRAPHY & CG COUNCIL OF SCIENCE & TECHNOLOGY

The **AIM** of the Course is capacity building & Research within the state of Chhattisgarh.

OBJECTIVE OF THE COURSE is to provide an opportunity for individuals to learn remote sensing & GIS for the benefit of their professional career; allow students to quickly gain RS & GIS knowledge and qualification and to add the credentials: to develop learner's research, analytical and problem solving skills.

1. COURSE STRUCTURE AND DURATION

The course shall comprise of four modules and the duration of the course will be of one year duration.

The details are as follows:

Theory Paper
Paper 1: Remote Sensing & Digital Image Processing
Paper 2: GIS, GPS, Digital Cartography & Surveying
Paper 3: Application of RS & GIS
Practicals
Lab Course 1: Image Processing
Lab Course 2: Digital Cartography & GIS
Lab Course 3: Application of RS & GIS
Dissertation
Field work + Project Report+ Viva Voce

2. SCHEME OF EXAMINATION

The total marks for the course shall be 600, including theory, practical and dissertation.

Theory Paper	Maximum Marks
Paper 1: Remote Sensing & Digital Image Processing	100
Paper 2: GIS, GPS, Digital Cartography & Surveying	100
Paper 3: Application of RS & GIS	100
Practicals	Maximum Marks
Lab Course 1: Image Processing	50
Lab Course 2: Digital Cartography & GIS	50
Lab Course 3: Application of RS & GIS	50
Dissertation	Maximum Marks
Field work (50) + Project Report (75) + Viva Voce (25)	150
Grand Total	600

3. SYLLABUS

PAPER 1: Remote Sensing & Digital Image Processing

Maximum Marks: 100

1.1 Fundamentals of Remote Sensing

Concept and scope of Remote Sensing; characteristics of Remote Sensing; advantages and limitations; concept of Electromagnetic Radiation (EMR); atmospheric window; interaction of EMR with matter; spectral signatures; sources of energy; energy interaction in the atmosphere; energy interaction with earth surface; Remote Sensing scenario in Indian context

1.2 Platform & Sensors

Types of platform-ground, airborne and space borne; types of orbits; orbital characteristics; satellite basics: Kepler's law, launch vehicle, payload; types and characteristics of sensors; Resolution of sensors: spatial, spectral, temporal & radiometric; scale, mapping unit; false colour composite; specification of some popular satellites.

1.3 Photogrammetry

Historical development and fundamental of aerial photographs; types of aerial photographs; digital camera; components of aerial cameras; camera calibrations; photogrammetric applications & products; stereoscope: pocket & mirror; photographic overlap; image parallax; height determination from stereo-pairs; scale, geometry and ground coverage of aerial photographs; area calculation; flight planning; relief distortion; tilt distortion; ortho-rectification; Digital Photogrammetry, block adjustment; DEM; Ortho-mosaic.

1.4 Image Interpretation

Interpretation key; types of interpretation; spectral pattern recognition; spatial pattern recognition; temporal pattern recognition

1.5 Digital Image processing

Definition of digital image; sources of data; data formats; hardware & software consideration for DIP; sources of error in images; Geometric corrections: rectification, registration, geo-referencing & geo-coding; Resampling technique; radiometric correction; image enhancement; spatial filtering; band ratio; density slicing; principal component analysis; image fusion; ground truth collection for image classification; training verification; unsupervised & supervised classification; iso-data, K-mean; accuracy assessment; change detection analysis

PAPER 2: GIS, GPS, Digital Cartography & Surveying

Maximum Marks: 100

2.1 Fundamental of Geographic Information System

Basic Concepts: definition of GIS, Components of GIS, Variables - points, lines, polygon, Functionality of GIS, Areas of GIS application, Advantage and Limitation of GIS; *GIS Data*: Spatial and Attribute Data, Information Organization and Data Structures - Raster and Vector data structures, Data file and database; *Creating GIS Database*: GIS Software's, file organization and formats, Advantages of Data base Management System. Conceptual implementation models, Hierarchical, Network, Relational models. RDBMS: components, concept, database schema, tables and relationships. Database design Normalization Geo-database, Rectification, Digitization; *GIS Data Input*: Nature and Source of data, Method of spatial data capture - Primary and Secondary, digitization and scanning method, Techniques and procedure for digitizing, Errors of Digitization, Attribute data capture; *Data Editing*: Detecting and correcting errors, Re-projection, Transformation and Generalization, Edge matching and Rubber sheeting, Topology, Conversion from Other Digital Sources.

2.2 Remote Sensing Data and GIS Integration

Introduction to different spheroid / ellipsoid systems with special reference to Everest and WGS-84 - Geometric Constants, Indian Geodetic Datum; Rectangular and Geographical Co-ordinate System - Conversion of latitudes and longitudes to linear distances, Coordinate Transformations, Geoidal parameters and their relationship.

2.3 Global Positioning System (GPS)

Introduction, Satellite constellation, GPS signals and data, Geo-positioning- Basic Concepts. NAVSTAR, GLONASS, Indian Regional Navigational Satellite System (IRNSS), Control Segment, Space Segments, User Segment, GPS Positioning Types- Absolute Positioning, Differential positioning; *GPS Surveying Methods and Accuracy*: Methods-Static & Rapid Static, Kinematic-Real Time Kinematic Survey- DGPS-GPS Data Processing and Accuracy, Factors Affecting GPS

Accuracy; *Reference Station*: Selection of Reference Station, Reference Station Equipment: GPS receiver, GPS antenna. Radio and its types, Radio Antenna; *Mobile Mapping and GPS Applications*: Mobile Mapping basic concepts and Applications, GPS Application in Surveying and Mapping.

2.4 Digital Cartography

GIS and Digital Cartography: Concept of Digital Cartography, Advantages and Disadvantages of Digital Cartography; *Concept of Map Scales*: Defining Map, Projection Systems, Categories of maps, Map Scales; *Digital Mapping*: Cartographic Design Issues, Concept of Visual Variables, Map Lettering, Map Compilation, Generalization, Map Composition, Multivariate and Dynamic Mapping; Map Production; Visualization of geospatial data- 2D and 3D visualization; study & interpretation of SOI maps, cadastral maps & thematic maps.

2.5 Surveying

Validation of Data: Importance of Field Survey, Collection of Ground Truth.

PAPER 3: APPLICATION OF RS & GIS

Maximum Marks: 100

3.1 Application of RS & GIS in Geology, Structural Evaluation and Geomorphology Spectral properties of rocks and minerals, Reflectance Properties of Rocks, minerals in visible, NIR, MIR, SWIR, TIR and Microwave regions, Spectral reflection curves for important Rocks and Minerals. Digital image processing techniques for geological and lithological mapping. Significance of Geological structures, Identification of geological structures and structural mapping of Fold, Fault, Lineaments, Direction circular features, Intrusive rocks, rock exposure, Fractures and Joints. Digital image processing techniques for structural mapping. Image/photo characters for identification of various geomorphological features i.e. Tectonic landforms, Fluvial landforms, Denudational landforms, Volcanic landforms, Aeolian landforms, Coastal landforms.

3.2 Application of RS & GIS in Water Resource, Agriculture & Forest Study Data Sources for GIS in Water Resources, Agriculture and Forest. Spatial analysis in Hydrology, Digital Elevation Model Watershed and Stream Network Delineation, Terrain Analysis Using Digital Elevation Models, Height above Nearest Drainage (HAND) flood inundation mapping, LIDAR and flood plain mapping. Spectral behavior of leaf – Vegetation indices – NDVI, TVI, SVI, PCA, Biomass estimation – Estimation of terrestrial carbon assimilation in forests Forest type and density mapping and forest stock mapping using RS technique - factors for degradation of forests. Change detection in forests. Identification of crops - acreage estimation - production forecasting - pests and disease attacks through remote sensing - crop stress detection due to flood and drought - catchments and command area monitoring.

3.3 Application of RS & GIS in Planning & Rural Development Study Relevance of remotely sensed data for Urban & Regional Analysis and Planning - Identification of settlement features from aerial photo and

satellite images, Visual and digital analysis techniques, Concept of Scale and Resolution. Methodology for Regional Mapping and City Mapping, Base map preparation, Change Detection and mapping, Classification terminology - Urban fringe, CBD, Urban sprawl, Regional plan, Master plan, Detailed Development plan, Delineation of planning area. Sustainable development plans.

3.4 Application of RS & GIS in Disaster/ Hazard Assessment Study Risk assessment - Damage assessment – Land use planning and regulation for sustainable development, Vulnerability analysis of infrastructure and settlements - Pre-disaster and post-disaster planning for relief operations - Potential of GIS application in development planning and Disaster management plan

3.5 Application of RS & GIS in Environmental Studies Concept and Elements of EIA, Classification of environmental parameters, preparation of Environmental Base map; EIA Methodologies: Ad-hoc methods, matrix methods, Network method, Environmental Media Quality Index method, overlay methods, cost/Benefit Analysis. Impact of Developmental Activities and Land use on soil and ground, on Vegetation and wildlife. Impact prediction, Assessment of Impact, Identification and Incorporation of mitigation measures. EIA studies for Air and Biological environment. Environmental Audit: Types of environmental Audit, and preparation of Audit report.

Lab Course 1: Image Processing

Maximum Marks: 50

Introduction to RS software; satellite image annotation; open source data downloading from various sites; export, import of files; conversion of file format; rectification; registration; creating region of interest; mosaicing; sub-setting; spectral response of different landcover object; image statistics & histogram; visual interpretation of aerial images, visual image interpretation of satellite imagery; interpretation of land use/landcover map; determination of photo scale; orientation of stereo model under stereoscope; map projection; image enhancement; filtering; image data fusion; change detection analysis; supervised & unsupervised classification; accuracy assessment; Ortho-rectification; DEM & Ortho-Image generation.

Lab Course 2: Digital Cartography & GIS

Maximum Marks: 50

Georeferencing & projection; Managing Geo-database; geometric measurements tools & Changing Projection; creation of gdb, shapefile, feature class; Digitization: Point, Line, Polygon; Vector Editing, Data base creation, Managing Attribute Table, Thematic Maps; Select and Query in vector layers; Network, Neighborhood, Buffer, Proximity [thiessen polygon], Overlay, Intersection & Union; Topographic & Morphometric analysis: TIN, DEM, Contour & Isopleth generation; conversions and Topology; Spatial Analysis; GPS based field survey; plotting of GPS point & map preparation; geo-tagging

of photographs; Digital cartography: base map preparation, thematic map preparation; generation of 2D & 3D maps

Lab Course 3: Application of RS & GIS

Maximum Marks: 50

Watershed delineation; Morphometric Analysis (DEM); surface water-bodies inventory; groundwater quality based on different parameters; irrigation ; agriculture land use; use of multi temporal satellite data; identification of crop and acreage estimation; vegetation indices for crop health & forecasting; plantation mapping; urban change detection, utility mapping, urban database creation; urban expansion; forest Fire Identification; forest type mapping; forest species mapping; forest density mapping; wildlife mapping; village map generation; cadastral map rectification; rural settlement mapping; rural road mapping; other rural facilities mapping and inventory; population study; flood zonation, drought assessment, deforestation, mining inventory; Literature review for dissertation. Word Processing, Referencing and Template preparation.

DISSERTATION

Maximum Marks: 150

Dissertation is an essential component of the course. Every student will have to do 2 to 3 weeks of fieldwork (in continuation or in breaks). The candidate will be required to submit a field report for evaluation as a part of the examination. The candidate can choose a theme or a combination of themes in consultation with the assigned Supervisor.

The candidate will have to complete his fieldwork related to Project. The Dissertation thesis must be submitted within 30 days after the completion of theory examination.

Recommended Textbooks: Only the basic textbooks are mentioned here. The student is advised to consult Library and e-resources for in-depth knowledge.

1. Remote Sensing and Image Interpretation. Lillesand, TM and Kiefer, RW. John Willey and Sons, 2008.
2. Remote Sensing and GIS. B. Bhatta by Oxford Publishers 2015.
3. Introduction to Geographic Information System. Kang-Tsung Chang, McGraw-Hill 2015.
4. Concepts & Techniques of GIS. C. P. Lo Albert, K.W. Yonng, Prentice Hall (India) Publications.
5. Basics of Remote sensing & GIS. S. Kumar, Laxmi Publications.
6. James B. Campbell & Randolph H. Wynne. Introduction to Remote Sensing, The Guilford Press, 2011.
7. Textbook of Remote Sensing and Geographical Information systems. M. Anji Reddy, BS Publications, Hyderabad. 2011. ISBN: 81-7800-112-8.

8. Remote Sensing and GIS. A.M.Chandra and S.K. Gosh, Narosa Publishing Home, New Delhi 2009.
9. Introducing Digital Image Processing. John R. Jenson, Prentice Hall, New Jersey 1986.
10. Techniques for Image Processing and Classification in Remote Sensing. Robert A. Schowengerdt, 1984. ISBN 13: 9780126289800
11. Fundamentals of Remote sensing. George Joseph, 2005, 2nd edition, University Press Pvt, Ltd, Hyderabad.
12. Principles of Geographical Information Systems for Land Resources Assessment by P.A. Burrough
13. Elements of Photogrammetry by PAUL R. WOLF, 3rd edition, ISBN 007-123689-9
14. Introduction to Modern Photogrammetry (Paperback) by Edward M. Mikhail, James S. Bethel
15. Manual of Photogrammetry – American Society of Photogrammetry By ALBERT.D
16. Aerial Photographic Interpretation by D. R. Lueder, McGraw-Hill Companies
17. Photogrammetry- Vol I by Krauss, J., - Springer – Verlag Publications
18. Photogrammetry 3rd Edition by Moffitt, Francis H. & Mikhail, Edward M., - Harper and RowPublishers.
19. Principles and Applications of Photo Geology By Shiv Pandey
20. John R. Jenson, .Introductory Digital Image Processing., Prentice Hall Series, 1996.
21. John A. Richards, Springer-Verlag, .Remote Sensing Digital Image Analysis. 1999.
22. Rafael C. Gonzalez, .Digital Image Processing (2nd Edition)., Prentice Hall, 2002.
23. Gopi, “Advanced surveying: Total station, GIS and Remote Sensing”, Pearson EducationIndia, 2007.
24. Borden D. Dent, Jeffrey Troguson, Thomas W. Hodler, “Cartography: Thematic map Design”,McGraw-Hill Higher Education, 2008.
25. Environmental Impact Assessment Methodologies, by Y. Anjaneyulu, B.S. Publication,Sultan Bazar, Hyderabad.
26. Environmental Science and Engineering, by J. Glynn and Gary W. Hein Ke – PrenticeHall Publishers.
27. Burnside, C.D., Electromagnetic distance measurement, Crosby Lockwood staples, U.K., 1971.
28. Rueger, J.M., Electronic distance Measurement, Springer - Verlag,Berlin, 1990.
29. Laurila, S.H., Electronic Surveying in Practice, John Wiley& Sons, Inc, 1983.
30. Soastamoinen, J.J., Surveyor's Guide to electro-magnetic distanceMeasurement, Adam Hilger Ltd., 1967.
31. SantheeshGopi., Global Positioning System – Principles andApplications, Tata McGraw-Hill Publishing Company Limited, NewDelhi, 2005.
32. Seeber, G., Satellite Geodesy, Walter de Gruyter, Berlin, 1993.
33. Alfred Leick, GPS Satellite surveying, John Wiley and Sons,1995.
34. Hofmann Wellenhof, B. Lichtenegger, H. and Collins, J., GlobalPositioning System, SorinQer - Verlag, New York, 1994.
35. Drury, S.A. (2001): Image Interpretation in Geology, Allen and Unwin.
36. Halis, J.R. (1983): Applied Geomorphology.
37. Holmes,A.(1992): Holmes Principles of Physical Geology, Edited by P. McL. D. Duff. Chapman and Hall.

School of Studies in Geology & WRM
Pt. Ravishankar Shukla University, Raipur, C. G.

Syllabus for Ph. D. Course Work in
Geology Examination 2017-18

The Ph. D. Course in Geology shall be of six months. This course shall have Two Papers. Paper- I is theory paper and Paper -II is project course work. Each paper is of 100 marks. Theory paper will be of three hours duration. In Paper –II, 40 % marks will be assigned to seminar which will be evaluated by Departmental Research Committee and 60 % marks will be assigned to project work which will be evaluated by external and internal examiners jointly.

Scheme of Examination

Paper	Title of the Paper	Marks allotted
Paper-I	Research Methodology, Quantitative Methods and Computer applications	100 Marks
Paper-II	Review of Literature concerning the topic of research and Seminar/Project Report. (a) Seminar (b) Project work and Viva-voce	100 Marks 40 marks 60 Marks

Paper – I: Research Methodology, Quantitative Methods and Computer applications

Research methodology – An overview. Scientific hypothesis. Theory and philosophy of Research Methodology in context to Earth Sciences. Facts and Laws Formulating Hypothesis. Selection and formulation of research problem. Meaning and need of Research design.

Theory of Sampling / field methods, Parametric Analysis and Quantitative and qualitative methods in Geosciences. Methods of data collection. Primary and Secondary data. Observations and tests.

Precision and accuracy in geological data generation. Statistical techniques for processing and analysis of data: Probability, Normal distribution, Binomial and Poisson distribution. Sampling estimates – central tendency parameters. Null hypothesis – student t test and chi square test.

Computer applications in numerical data processing. Microscopic techniques. Staining techniques for distinguishing Calcite-Dolomite, K- Feldspar-

Plagioclase-Cordierite. Techniques in photomicrography. . NORM calculation and interpretation of ACF, AKF diagrams.
Hydrogeology, Theory and Methods.

Paper - II Review of Literature concerning the topic of research and Seminar/Project Report.

Literature Review/Project/Assignment work on any current topic of demand in the stream decided by the Supervisor(s) and or DRC. Presentation of report and work.

- (a) Seminar presentation
- (b) Project work and Viva-voce

M.A. History Syllabus

2020-21

SEMESTER SYSTEM [PAGE NO.- 1-51]

ANNUAL SYSTEM [PAGE NO.- 1-26]

एम.ए.पूर्व इतिहास (M.A. Previous History)
प्रथम एवं द्वितीय सेमेस्टर (First & Second Semester)

सत्र 2020-21 (Session 2020-21)

(जुलाई 2020 से प्रारंभ)

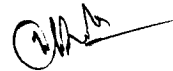
टीप :- तीन अनिवार्य प्रश्न पत्रों के अतिरिक्त परीक्षार्थियों को कोई एक वैकल्पिक प्रश्न पत्र का चयन करना होगा। प्रत्येक प्रश्न पत्र 100-100 अंकों का होगा। 100 अंकों में 80 अंक सैद्धांतिक एवं 20 अंक आंतरिक मूल्यांकन के होंगे। सभी प्रश्न पत्रों के 5-5 क्रेडिट हैं।

प्रथम सेमेस्टर (First semester)

प्रश्न पत्र	प्रश्न पत्र का नाम	कोड संख्या	पूर्णांक	सैद्धांतिक	
प्रथम I	इतिहास पद्धति (अनिवार्य) Historiography (Compulsory)	0370-I	100	80	20
द्वितीय II	आधुनिक विश्व 1800-1920 ई. (अनिवार्य) Modern world 1800-1920 A.D.(Compulsory)	0371-I	100	80	20
तृतीय III	प्राचीन एवं मध्यकालीन छत्तीसगढ़ (अनिवार्य) Ancient and Medieval Chhattisgarh (Compulsory)	0372-I	100	80	20
चतुर्थ IV	ग्रेट ब्रिटेन का इतिहास 1815-1885 ई. (वैकल्पिक-अ) History of Great Britain 1815- 1885 A.D. (Optional-A)	0373-I	100	80	20
चतुर्थ IV	भारतीय इतिहास में नारी- प्राचीन एवं मध्यकालीन (वैकल्पिक-ब) Women in Indian History in Ancient & Medieval Period (Optional-B)	0377-I	100	80	20







द्वितीय सेमेस्टर (Second semester)

प्रश्न पत्र	प्रश्न पत्र का नाम	कोड संख्या	पूर्णांक	सैद्धांतिक	आंतरिक मूल्यांकन
पंचम V	इतिहास लेखन (अनिवार्य) Historiography (Compulsory)	0370-II	100	80	20
षष्ठम VI	समकालीन विश्व 1920-2000 ई. (अनिवार्य) Contemporary world 1920-2000 A.D. (Compulsory)	0371-II	100	80	20
सप्तम VII	आधुनिक छत्तीसगढ़ (अनिवार्य) Modern Chhattisgarh (Compulsory)	0372-II	100	80	20
अष्टम VIII	आधुनिक इंग्लैण्ड 1885-1956 ई. (वैकल्पिक-अ) Modern England 1885-1956A.D. (Optional-A)	0373-II	100	80	20
अष्टम VIII	आधुनिक भारत में नारी (वैकल्पिक-ब) Women in Modern India (Optional-B)	0377-II	100	80	20

टीप -उपरोक्त वैकल्पिक प्रश्न पत्रों अ एवं ब में से कोई एक का चयन करना होगा।

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सत्र 2020-21 (जुलाई 2020 से प्रारंभ)

एम.ए.पूर्व इतिहास, प्रथम सेमेस्टर (M.A.Previous History, 1st Semester)

प्रथम-प्रश्न पत्र (अनिवार्य) (First Paper- Compulsory)

इतिहास पद्धति (Historiography)

(पेपर कोड-0370-I) (Paper Code - 0370 - I)

इकाई — 1

1. इतिहास का अर्थ एवं परिभाषा
2. इतिहास का स्वरूप
3. इतिहास विज्ञान एवं कला के रूप में
4. इतिहास के प्रकार—सामाजिक,आर्थिक,राजनीतिक,क्षेत्रीय

इकाई — 2

5. इतिहास का अन्य सभी सामाजिक विज्ञान विषयों के साथ संबंध—
भूगोल,राजनीति शास्त्र, अर्थशास्त्र,समाजशास्त्र,
6. इतिहास का साहित्य के साथ संबंध
7. इतिहास में तथ्य
8. तथ्यों की व्याख्या

इकाई — 3


9. इतिहास के उपकरण—काल,स्थान,घटना,मानव
10. इतिहास में कारण एवं नियतिवाद
11. इतिहास में वस्तुनिष्ठता
12. इतिहास में पूर्वाग्रह

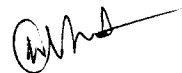
इकाई — 4

13. इतिहास का चक्रवादी सिद्धांत
14. इतिहास का समाज शास्त्रीय सिद्धांत
15. इतिहास का आदर्शवादी सिद्धांत
16. इतिहास का तुलनात्मक सिद्धांत

इकाई — 5

17. इतिहास का आलोचनात्मक सिद्धांत
18. इतिहास का भौतिकवादी सिद्धांत
19. इतिहास का सापेक्षवादी सिद्धांत
20. इतिहासवाद





संदर्भ ग्रंथ :

- (1) झारखण्ड चौबे – इतिहास दर्शन
- (2) के.एल.खुराना एवं आर.के.बंसल – इतिहास लेखन, धारणाएं तथा पद्धतियां
- (3) परमानन्द सिंह – इतिहास दर्शन
- (4) प्रो.राधेशरण – इतिहास पद्धति. इतिहास लेखन
- (5) गोविन्द चन्द्रपांडे – इतिहास स्वरूप एवं सिद्धांत
- (6) ब्रजेश कुमार श्रीवास्तव – इतिहास लेखन : अवधारणा, विधाएं एवं साधन
- (7) E.H.Carr - What is History
- (8) R.G. Collingwood - The Idea of History
- (9) बुद्ध प्रकाश – इतिहास दर्शन
- (10) बुद्ध प्रकाश – इतिहास दर्शन उद्देश्य एवं विधि
- (11) मानिक लाल गुप्ता – इतिहास—स्वरूप, अवधारणाएं एवं उपयोगिता
- (12) रामकुमार बेहार, ऋषिराज पांडेय – इतिहास पद्धति एवं इतिहास लेखन
- (13) कौलेश्वर राय – इतिहास दर्शन
- (14) Erich Kahler - The Meaning of History
- (15) H.S. Commager - History purpose and Methods
- (16) सत्यनारायण दुबे शरतेन्दु – इतिहास दर्शन (चिंतन) एवं लेखन

Handwritten signatures and initials:
 One signature appears to be "Mud" and another "A.K.A." with a checkmark.

सत्र 2020-21 (जुलाई 2020से प्रारंभ)

एम.ए.पूर्व इतिहास, प्रथम सेमेस्टर (M.A.Previous History, 1st Semester,)

द्वितीय-प्रश्न पत्र (अनिवार्य) (Second- Paper, Compulsory)

आधुनिक विश्व 1800-1920 ई. (Modern World 1800-1920 A.D.)

(पेपर कोड-0371-I) (Paper Code - 0371 - I)

इकाई — 1

1. विश्व में पूंजीवाद के विकास की अवधारणा
2. साम्राज्यवाद का विकास-इंग्लैंड और फ्रांस में
3. साम्राज्यवाद का विकास-जर्मनी और जापान में
4. इंग्लैंड में उदारवाद का विकास

इकाई — 2

5. बिस्मार्क की आंतरिक एवं विदेश नीति
6. कैसर विलियम द्वितीय की विश्व राजनीति
7. 1900-1910 तक अंतर्राष्ट्रीय संधियां
8. 1912 तक पूर्वी समस्या-बर्लिन कांग्रेस

इकाई — 3

9. युवा तुर्क आंदोलन
10. प्रथम एवं द्वितीय बाल्कन युद्ध एवं प्रभाव
11. प्रथम विश्वयुद्ध कारण एवं घटनाएं
12. प्रथम विश्वयुद्ध परिणाम

इकाई — 4

13. पेरिस की शांति सम्मेलन एवं वर्साय की संधि
14. विश्व में समाजवाद का विकास
15. 1917 की रूसी क्रांति
16. बोलशेविक क्रांति एवं लेनिन की आर्थिक नीति

इकाई — 5

17. राष्ट्रसंघ संगठन
18. राष्ट्रसंघ की उपलब्धियां एवं असफलताएं
19. प्रथम विश्वयुद्ध के पश्चात् विश्व आर्थिक मंदी का उदय
20. न्यूडील

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संदर्भ ग्रंथ :

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| (1) दीनानाथ वर्मा | — आधुनिक विश्व का इतिहास |
| (2) के.एल.खुराना एवं शर्मा | — विश्व का इतिहास |
| (3) बिनाके | — सुदूरपूर्व का इतिहास |
| (4) H.G.Wells | - World History |
| (5) Moon & Parker - | Imperialism & World Politics |
| (6) मथुरालाल शर्मा | — आधुनिक यूरोप |
| (7) कालूराम शर्मा | — आधुनिक विश्व का इतिहास |
| (8) केटेलबी | — आधुनिक यूरोप (1815 से 1919) |
| (9) देवेन्द्र सिंह चौहान | — आधुनिक यूरोप (1815 से 1919) |
| (10) सत्यकेतु विद्यालंकार | — एशिया का इतिहास |
| (11) जार्ज बर्नाड्सकी | — रूस का इतिहास |
| (12) B.V. Rao | - History of Modern world |
| (13) D.N.Ghosh | - The History of Europe |
| (14) B.R.Gokhale | - Modern Europe |
| (15) डॉ.मथुरालाल शर्मा | — आधुनिक विश्व |
| (16) विपिन बिहारी सिन्हा | — आधुनिक विश्व |
| (17) दीनानाथ वर्मा एवं शिवकुमार सिंह | — विश्व इतिहास का सर्वेक्षण |
| (18) जैन एवं माथुर | — आधुनिक विश्व |
| (19) डॉ.एस.आर. वर्मा | — आधुनिक विश्व का इतिहास |
| (20) मानिक लाल गुप्ता | — विश्व का इतिहास |
| (21) इंदिरा अर्जुन देव | — समकालीन विश्व का इतिहास (1890–2008) |
| (22) बी.एन. लुणिया | — आधुनिक पाश्चात्य इतिहास की प्रमुख धाराएं (भाग-2) |
| (23) कौलेश्वर राय | — आधुनिक एशिया (1839–1949) |
| (24) कौलेश्वर राय | — आधुनिक यूरोप (1789–1945) |

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सत्र 2020-21 (जुलाई 2020 से प्रारंभ)

एम.ए.पूर्व इतिहास, प्रथम सेमेस्टर (M.A. Previous History, 1st Semester)

तृतीय-प्रश्न पत्र, (अनिवार्य) (Third Paper- Compulsory)

प्राचीन एवं मध्यकालीन छत्तीसगढ़ (Ancient & Medieval Chhattisgarh)

(पेपर कोड-0372-I) (Paper Code - 0372 - I)

इकाई - 1

1. छत्तीसगढ़ का परिचय एवं भौगोलिक स्थिति
2. छत्तीसगढ़ का नामकरण
3. छत्तीसगढ़ का जनजीवन
4. प्राचीन छत्तीसगढ़-मौर्य वंश के पूर्व तक

इकाई - 2

5. छत्तीसगढ़ में मौर्यकालीन एवं गुप्तकालीन छत्तीसगढ़
6. छत्तीसगढ़ में सातवाहनों का प्रभाव
7. क्षेत्रीय राजवंश-नलवंश, राजर्षितुल्य कुल वंश, शरभपुरीय वंश
8. पाण्डु वंश, छिन्दकनाग वंश, फणिनाग वंश

इकाई - 3


9. छत्तीसगढ़ में कल्युरियों का आगमन
10. छत्तीसगढ़ में कल्युरि वंश रत्नदेव से मोहन सिंह तक
11. कल्युरि कालीन शासन व्यवस्था
12. कल्युरि कालीन आर्थिक दशा

इकाई - 4

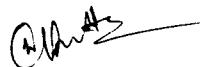
13. कल्युरि कालीन सामाजिक एवं सांस्कृतिक दशा
14. कल्युरि कालीन स्थापत्य
15. छत्तीसगढ़ में मराठा शासन - बिंबाजी एवं उनका प्रशासन
16. छत्तीसगढ़ में मराठों की सूबा शासन व्यवस्था

इकाई - 5

17. रघुजी तृतीय
18. मराठा कालीन छत्तीसगढ़ की आर्थिक दशा
19. मराठा कालीन छत्तीसगढ़ की सामाजिक एवं सांस्कृतिक दशा
20. ब्रिटिश नियंत्रण काल







संदर्भ ग्रंथ :

- (1) प्यारेलाल गुप्त — प्राचीन छत्तीसगढ़
- (2) पी.एल. मिश्र — दक्षिण कोशल का प्राचीन इतिहास
- (3) पी.एल. मिश्र — भराटाकालीन छत्तीसगढ़
- (4) भगवान सिंह वर्मा — छत्तीसगढ़ का इतिहास
- (5) राम कुमार बेहार — छत्तीसगढ़ का इतिहास
- (6) एल.एस. निगम — दक्षिण कोशल का इतिहास
- (7) मदनलाल गुप्ता — छत्तीसगढ़ दिग्दर्शन भाग 1, भाग 2
- (8) जे.आर. वालर्यानी
एवं वासुदेव साहसी — छत्तीसगढ़ का राजनीतिक एवं सांस्कृतिक इतिहास
- (9) सुरेश चंद्र शुक्ल — छत्तीसगढ़ का समग्र अध्ययन
- (10) ऋषिराज पांडेय — छत्तीसगढ़ (दक्षिण कोशल के कल्युरि)
- (11) व्ही.व्ही. मिराशी — कल्युरि नरेश और उनका काल
- (12) शांता शुक्ला — छत्तीसगढ़ का सामाजिक एवं आर्थिक इतिहास
13. डॉ.डिश्वर नाथ खुटे : बस्तर की राजनीतिक एवं प्रशासनिक व्यवस्था (1854-1947)
14. प्रो.आभा रूपेन्द्र पाल एवं डॉ.डिश्वर नाथ खुटे : बस्तर की राजनीतिक, सामाजिक एवं आर्थिक इतिहास

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सत्र 2020-21 (जुलाई 2020 से प्रारंभ)
 एम.ए.पूर्व इतिहास, प्रथम सेमेस्टर (M.A. Previous History, 1st Semester)
 चतुर्थ-प्रश्न पत्र (वैकल्पिक-अ) (Fourth Paper, Optional - A)
 ग्रेट ब्रिटेन का इतिहास (1815 से 1885 ई) (History of Great Britain 1815-1885 A.D.)
 (पेपर कोड-0373-I) (Paper Code - 0373 - I)

इकाई - 1

1. 1815 से 1822 तक आंतरिक समस्याएं
2. 1822 से 1830 तक इंग्लैंड की आंतरिक स्थिति
3. कैसलरे की विदेश नीति
4. कैनिंग की विदेश नीति

इकाई - 2

5. ब्रिटेन में उदारवाद का उदय
6. ब्रिटेन में उदारवाद के विकास के कारण
7. 1832 का सुधार अधिनियम
8. 1830 से 1841 तक अन्य सुधार

इकाई - 3

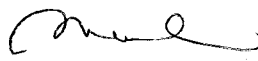
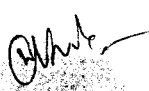
9. चार्टिस्ट आंदोलन
10. ग्रेट ब्रिटेन की विदेश नीति (1830-1841)
11. सर राबर्ट पील
12. लार्ड जॉन रसेल

इकाई - 4

13. लार्ड पामस्टन
14. 1867 का सुधार अधिनियम
15. बेंजामिन डिजरेली - विदेश नीति
16. नवीन टोरीवाद

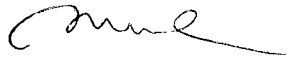


इकाई - 5

17. ग्रेट ब्रिटेन और मुक्त व्यापार
18. ग्रेट ब्रिटेन और पूर्वी समस्या (1828-1878)
19. ब्रिटिश साम्राज्यवाद (1880 तक)
20. 1884 तथा 1885 के संसदीय सुधार


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संदर्भ ग्रंथ :

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| (1) एल.पी. शर्मा | — इंग्लैंड का इतिहास |
| (2) विद्याधर महाजन | — इंग्लैंड का इतिहास |
| (3) J.A.R.Marriott | - Modern England |
| (4) G.M.Trevelyan | - Social History of England |
| (5) Ramsay Muir | - History of England |
| (6) बिपीन बिहारी सिन्हा | — आधुनिक ग्रेट ब्रिटेन |
| (7) मेरियट | — आधुनिक इंग्लैंड का इतिहास |
| (8) रामकिशोर पाण्डेय | — आधुनिक इंग्लैंड का इतिहास |
| (9) Maitland | - Constitutional History of England |

सत्र 2020-21 (जुलाई 2020 से प्रारंभ)
 एम.ए.पूर्व इतिहास ,प्रथम सेमेस्टर (M.A. Previous History ,1st Semester)
 चतुर्थ-प्रश्न पत्र (वैकल्पिक- ब) (Fourth Paper ,Optional - B)
 भारतीय इतिहास में नारी-प्राचीन एवं मध्यकालीन
 (Women in Indian History - Ancient & Medieval Period)
 (पेपर कोड-0377-I) (Paper Code - 0377 - I)

इकाई - 1

1. नारी अध्ययन की विचार धाराएं- उदारवादी, मार्क्सवादी, मनोवैज्ञानिक
2. नारी अध्ययन संबंधी स्रोत-ऐतिहासिक स्रोत
3. नारी अध्ययन की स्रोत गैर अभिलेखागारीय
4. नारी अध्ययन का महत्व एवं उपयोगिता

इकाई - 2

5. वैदिक साहित्य एवं महाकाव्यों में नारी चित्रण
6. मौर्य एवं मौर्योत्तर काल में नारी की स्थिति
7. गुप्त एवं गुप्तोत्तर काल में नारी की स्थिति
8. राजपूत काल में नारी की स्थिति

इकाई - 3

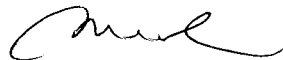
9. बौद्ध धर्म में महिलाओं की स्थिति
10. जैन धर्म में महिलाओं की स्थिति
11. इस्लाम में महिलाओं की स्थिति
12. सिक्ख धर्म में महिलाओं की स्थिति

इकाई - 4

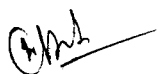
13. प्राचीन भारत में महिला शिक्षा
14. मध्यकालीन भारत में महिला शिक्षा
15. प्राचीन भारत में महिलाओं की वैधानिक एवं राजनैतिक स्थिति
16. मध्यकालीन भारत में महिलाओं की वैधानिक एवं राजनैतिक स्थिति

इकाई - 5

17. प्राचीन कालीन महत्वपूर्ण महिलाएं -गार्गी,मैत्रयी,
18. मध्यकालीन महत्वपूर्ण महिलाएं -रजिया,गुलबदन,नूरजहां
19. भक्ति आंदोलन और महिलाएं
20. मध्यकालीन मराठा राजनीति एवं महिलाएं







संदर्भ ग्रंथ :

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|------------------------|---|
| (1) कमलेश्वर प्रसाद | — भारत का इतिहास खंड 1, 2, 3 |
| (2) सुगम आनंद | — भारतीय इतिहास में नारी |
| (3) के.सी.श्रीवास्तव | — प्राचीन भारत का इतिहास तथा संस्कृति |
| (4) सुरेश चंद्र शुक्ला | — भारतीय इतिहास में नारी |
| (5) रामधारी सिंह दिनकर | — संस्कृति के चार अध्याय |
| (6) पुरी, दास, चोपड़ा | — भारत का सामाजिक, आर्थिक, सांस्कृतिक इतिहास
(भाग 1 एवं 2) |
| (7) प्रताप सिंह | — आधुनिक भारत का सामाजिक, आर्थिक इतिहास |
| (8) राम शरण शर्मा | — प्राचीन भारत |
| (9) सुधा गोस्वामी | — भारत की चर्चित महिलाएं |
| (10) डॉ.एम.के. गिरि | — द रोल एंड स्टेट्स ऑफ वीमन इन सिक्किज्म |
| (11) राजपाल | — वीमेन इन अरली मिडिवल नार्थ इंडिया |

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सत्र 2020-21 (जनवरी 2021 से प्रारंभ)
एम.ए.पूर्व इतिहास,द्वितीय सेमेस्टर (M.A. Previous History, 2nd Semester)
पंचम-प्रश्न पत्र,अनिवार्य (Fiveth- Paper, Compulsory)
इतिहास लेखन (Historiography)
(पेपर कोड-0370-II) (Paper Code - 0370 - II)

इकाई - 1

1. यूनानी एवं रोमन इतिहास लेखन
2. चीनी इतिहास लेखन
3. मध्यकालीन यूरोपीय इतिहास लेखन
4. प्रबुद्धतावादी इतिहास लेखन

इकाई - 2

5. अरबी तथा परशियन (फारसी) इतिहास लेखन
6. प्राचीन भारत में इतिहास लेखन की परम्परा
7. मध्यकालीन भारतीय इतिहास लेखन-सल्तनत काल
8. मध्यकालीन भारतीय इतिहास लेखन-मुगल कालीन

इकाई - 3

9. भारतीय इतिहास की साम्राज्यवादी व्याख्या
10. भारतीय इतिहास की राष्ट्रवादी व्याख्या
11. भारतीय इतिहास की मार्क्सवादी व्याख्या
12. भारतीय इतिहास की सवालटर्न अथवा जनवादी व्याख्या

इकाई - 4

13. भारतीय इतिहास की विषय वस्तु-आर्थिक इतिहास
14. भारतीय इतिहास की विषय वस्तु-सामाजिक-सांस्कृतिक इतिहास
15. जातीय एवं जनजातीय इतिहास
16. क्षेत्रीय इतिहास लेखन

इकाई - 5

17. भारतीय इतिहास की विषय वस्तु-कृषक एवं श्रमिक
18. भारतीय इतिहास की विषय वस्तु-विज्ञान एवं प्रौद्योगिकी
19. भारतीय इतिहास की विषय वस्तु-नारी
20. जनसंचार के माध्यम में इतिहास की प्रस्तुति

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संदर्भ ग्रंथ :

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| (1) गोविन्द चन्द्र पांडे | — इतिहास स्वरूप एवं सिद्धांत |
| (2) के.एल.खुराना, आर.के.बंसल | — इतिहास—लेखन, धारणाएं तथा पद्धतियां |
| (3) प्रो. राधेशरण | — इतिहास पद्धतियां एवं इतिहास लेखन |
| (4) कौलेश्वर राय | — इतिहास दर्शन |
| (5) कंवर बहादुर कौशिक | — इतिहास दर्शन एवं भारतीय—इतिहास लेखन |
| (6) Gyanendra Pandey | — Subaltern Studies |
| (7) ई. श्रीधरन | — इतिहास लेख एक पाठ्य पुस्तक 500 ई.पू. से 2000 तक |
| (8) S.P.Sen | - History & Historiography in Modern India |
| (9) Ranjit Guha | - Subaltern Studies (All Volumes) |
| (10) बी.के. श्रीवास्तव | — इतिहास के सिद्धांत स्वरूप एवं इतिहास लेखन |
| (11) हेरम्ब चतुर्वेदी | — मध्यकालीन इतिहासकार |
| (12) R.C.Majumdar | - Historiography of Modern India |
| (13) बी. शेख अली | — हिस्ट्री इट्स थ्योरी एंड मेथड |
| (14) ए.आर. देसाई | — भारतीय राष्ट्रवाद की सामाजिक पृष्ठभूमि |
| (15) D.N. Dhanagare | - Peasant movements in India – (1920-1950) |

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सत्र 2020-21 (जनवरी 2021 से प्रारंभ)
 एम.ए.पूर्व इतिहास, द्वितीय सेमेस्टर (M.A. Previous History, 2nd Semester)
 षष्ठम-प्रश्न पत्र (अनिवार्य) (Sixth Paper, Compulsory)
 समकालीन विश्व 1920-2000ई.(Contemporary World 1920-2000 A.D.)
 (पेपर कोड-0371-II) (Paper Code - 0371 - II)

इकाई - 1

1. इटली में फासीवाद-उदय के कारण
2. मुसोलिनी -गृह एवं विदेश नीति
3. जर्मनी में नाजीवाद का उदय-कारण
4. हिटलर की गृह नीति

इकाई - 2

5. हिटलर की विदेश नीति
6. जापान में सैन्यवाद
7. द्वितीय विश्व युद्ध - कारण एवं परिणाम
8. संयुक्त राष्ट्रसंघ - उद्देश्य एवं संगठन

इकाई - 3

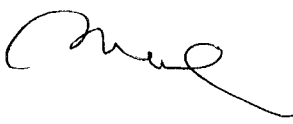
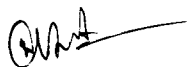
9. संयुक्त राष्ट्रसंघ - उपलब्धियां एवं योगदान
10. निशस्त्रीकरण की समस्याएं
11. चीन में राष्ट्रवाद एवं साम्यवाद का संघर्ष
12. चीन में साम्यवादी सरकार का अभ्युदय

इकाई - 4

13. हिन्द चीन एवं इंडोनेशिया में राष्ट्रीय आंदोलन
14. शीत युद्ध -स्वरूप, अंतर्राष्ट्रीय संधियां एवं तनाव
15. साम्यवादी रूस का विघटन - कारण
16. एक ध्रुवीय विश्व

इकाई - 5

17. गुटनिरपेक्ष आंदोलन एवं भारत, पंचशील
18. अरब राष्ट्रवाद
19. आधुनिक तुर्की
20. अंतर्राष्ट्रीय समस्या - फिलीस्तीन, कोरिया एवं वियतनाम


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संदर्भ ग्रंथ :

- (1) दीनानाथ वर्मा — आधुनिक विश्व का इतिहास
- (2) सत्यकेतु विद्यालंकार — एशिया का इतिहास
- (3) के.एल.खुराना एवं शर्मा — बीसवीं शताब्दी का विश्व
- (4) देवेन्द्र सिंह चौहान — समकालीन यूरोप
- (5) S.P. Nanda - History of Modern World
- (6) सुरेश चंद्र एवं शिवकुमार — आधुनिक विश्व का इतिहास
- (7) कालू राम शर्मा — आधुनिक विश्व
- (8) ई.एच.कार — दो विश्व युद्ध के बीच
- (9) जैन एवं माथुर — विश्व का इतिहास
- (10) D.G.E. Hall - South East Asia
- (11) B.V.E. Rao - History of World
- (12) Leyender - The Middle East
- (13) A.C.Ray - Contemporary World since 1919
- (14) P.K. Chatterjee - Modern World
- (15) D.C.Bhattacharya - International Relation in the 20th century
- (16) अजय चंद्र बनर्जी — आधुनिक विश्व
- (17) अर्जुन देव, इंदिरा अर्जुन देव — समकालीन विश्व का इतिहास (1890–2008)
- (18) बी.एन.लुणिया — आधुनिक पाश्चात्य इतिहास की प्रमुख धाराएं (भाग-2)
- (19) कौलेश्वर राय — आधुनिक यूरोप (1789–1945)
- (20) Arjun Dev, Indira Arjun Dav — History of the World- Form the late

19th to the early 21st century

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सत्र 2020-21 (जनवरी 2021 से प्रारंभ)

एम.ए.पूर्व इतिहास, द्वितीय सेमेस्टर (M.A. Previous History, 2nd Semester)
 सप्तम-प्रश्न पत्र (अनिवार्य) (Seventh Paper, Compulsory)
 आधुनिक छत्तीसगढ़ (Modern Chhattisgarh)
 (पेपर कोड-0372-II) (Paper Code - 0372 - II)

इकाई - 1

1. ब्रिटिश सत्ता की स्थापना
2. ब्रिटिश कालीन प्रशासनिक व्यवस्था
3. ब्रिटिश कालीन छत्तीसगढ़ की सामाजिक, सांस्कृतिक दशा
4. छत्तीसगढ़ के रियासतों के प्रति ब्रिटिश नीति

इकाई - 2

5. 1857 का विप्लव - छत्तीसगढ़ में
6. जमींदारी विद्रोह - वीरनारायण सिंह
7. बस्तर में आदिवासी विद्रोह - 1876 एवं 1910
8. छत्तीसगढ़ में राष्ट्रीय आंदोलन 1920 तक

इकाई - 3

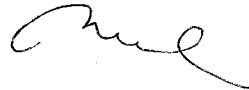
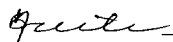

9. छत्तीसगढ़ में असहयोग आंदोलन
10. छत्तीसगढ़ में सविनय अवज्ञा आंदोलन
11. छत्तीसगढ़ में जंगल सत्याग्रह
12. छत्तीसगढ़ में व्यक्तिगत सत्याग्रह

इकाई - 4

13. छत्तीसगढ़ में भारत छोड़ो आंदोलन
14. छत्तीसगढ़ में किसान आंदोलन
15. छत्तीसगढ़ में श्रमिक आंदोलन
16. छत्तीसगढ़ में रियासतों का विलीनीकरण

इकाई - 5

17. छत्तीसगढ़ में धार्मिक आस्थाएँ, शैव, वैष्णव, शाक्त, जैन एवं बौद्ध धर्म
18. छत्तीसगढ़ में कबीर एवं सतनाम पंथ
19. छत्तीसगढ़ की लोक संस्कृति
20. छत्तीसगढ़ राज्य निर्माण की पृष्ठभूमि

संदर्भ ग्रंथ :

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|---|--|
| (1) किशोर अग्रवाल | — बीसवीं शताब्दी का छत्तीसगढ़ |
| (2) किशोर अग्रवाल | — स्वातंत्र्योत्तर छत्तीसगढ़ |
| (3) अरविंद शर्मा | — छत्तीसगढ़ का इतिहास |
| (4) तृषा शर्मा | — छत्तीसगढ़ इतिहास, संस्कृति एवं परंपरा |
| (5) अशोक शुक्ला | — छत्तीसगढ़ का राजनीतिक इतिहास |
| (6) भगवान सिंह वर्मा | — छत्तीसगढ़ का इतिहास |
| (7) सुरेश चंद्र | — छत्तीसगढ़ का समग्र इतिहास |
| (8) हीरालाल शुक्ला | — छत्तीसगढ़ का इतिहास |
| (9) दिनेश कुमार राठौर | — कांकेर का इतिहास |
| (10) ऋषिराज पांडेय | — सारंगढ़ रियासत |
| (11) देवेश शर्मा | — मध्यप्रांत में व्यक्तिगत सविनय अवज्ञा आन्दोलन अवज्ञा आन्दोलन |
| (12) रश्मि चौबे | — राष्ट्रीय चेतना के विकास में छत्तीसगढ़ के साहित्यकारों का योगदान "पंडित सुंदरलाल शर्मा के विशेष में" |
| (13) सुरेश चंद्र शुक्ला,
एवं अर्चना शुक्ला | — छत्तीसगढ़ की रियासतों का विलीनीकरण |
| (14) शैलेन्द्र सिंह | — भारत के आदिवासी क्षेत्रों के सामन्तीय रियासतों एवं जमींदारियों में जनजागृति |
| (15) राधेश्याम पटेल | — कबीर पंथ और छत्तीसगढ़ का सामाजिक विकास |
| (16) रीता पांडे | — बिलासपुर जिले की भूराजस्व व्यवस्था 1861-1947 |
| (17). डॉ.डिश्वर नाथ खुटे | — बस्तर की राजनीतिक एवं प्रशासनिक व्यवस्था (1854-1947) |
| (18). प्रो.आभा रूपेन्द्र पाल एवं डॉ.डिश्वर नाथ खुटे | — बस्तर की राजनीतिक, सामाजिक एवं आर्थिक इतिहास |

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सत्र 2020-21 (जनवरी 2021 से प्रारंभ)

एम.ए.पूर्व इतिहास, द्वितीय सेमेस्टर (M.A.Previous History, 2nd Semester)
 अष्टम-प्रश्न पत्र (वैकल्पिक- अ) (Eightth-Paper, Optional - A)
 आधुनिक इंग्लैंड (1885 से 1956 ई.तक) (Modern England 1885 – 1956A.D.)
 (पेपर कोड-0373-II) (Paper Code - 0373 - II)

इकाई – 1

1. ग्लैंडस्टन – आयरिश नीति
2. ग्लैंडस्टन – गृह नीति
3. डिजरेली – विदेश नीति
4. सेलिसबरी – गृह नीति

इकाई – 2

5. सेलिसबरी – विदेश नीति
6. चेम्बरलेन का साम्राज्यवाद
7. 1911 का सुधार अधिनियम
8. इंग्लैंड की गृह नीति (1902-1914)

इकाई – 3



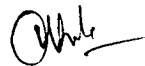
9. इंग्लैंड की विदेश नीति (1902-1914)
10. इंग्लैंड और पूर्वी समस्या (1878-1914)
11. प्रथम विश्व युद्ध में इंग्लैंड की भूमिका
12. दो विश्व युद्धों के बीच इंग्लैंड

इकाई – 4

13. विश्व आर्थिक मंदी और इंग्लैंड
14. अफ्रीका के विभाजन में इंग्लैंड की भूमिका
15. ग्रेट ब्रिटेन की गृह नीति (1919-1939)
16. ग्रेट ब्रिटेन की विदेश नीति (1919-1935)

इकाई – 5

17. चेम्बरलेन की तुष्टीकरण की नीति (1936-1939)
18. द्वितीय विश्व युद्ध में इंग्लैंड की भूमिका
19. द्वितीय विश्व युद्ध के पश्चात् इंग्लैंड की स्थिति
20. इंग्लैंड और शीत युद्ध

संदर्भ ग्रंथ :

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|-----------------------|-----------------------------|
| (1) एल.पी.शर्मा | — इंग्लैंड का इतिहास |
| (2) विद्याधर महाजन | — इंग्लैंड का इतिहास |
| (3) J.A.R. Marriott | - Modern England |
| (4) G.M. Trevelyan | - Social History of England |
| (5) अरुण कुमार मित्तल | — इंग्लैंड का इतिहास |
| (6) रमेश चंद्र सिन्हा | — इंग्लैंड का इतिहास |
| (7) Ramsay Muir | - History of England |

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सत्र 2020-21 (जनवरी 2021 से प्रारंभ)
 एम.ए.पूर्व इतिहास, द्वितीय सेमेस्टर (M.A.Previous History, 2nd Semester)
 अष्टम-प्रश्न पत्र (वैकल्पिक-ब) (Eightth Paper, Optional - B)
 आधुनिक भारत में नारी (Women in Modern India)
 (पेपर कोड-0377-II) (Paper Code - 0377 - II)

इकाई - 1

1. औपनिवेशिक काल में नारी शिक्षा
2. पुनर्जागरण आंदोलन और महिलाएं - नारी उत्थान के प्रयास
3. उन्नीसवीं शताब्दी के नारी संगठन
4. बीसवीं शताब्दी के नारी संगठन

इकाई - 2

5. भारतीय स्वतंत्रता आंदोलन और महिलाएं, 1857 की क्रांति
6. भारतीय स्वतंत्रता आंदोलन और महिलाएं, गांधीवादी आंदोलन
7. भारतीय स्वतंत्रता आंदोलन और महिलाएं, क्रांतिकारी आंदोलन
8. भारतीय स्वतंत्रता आंदोलन और महिलाएं, आजाद हिंद फौज

इकाई - 3

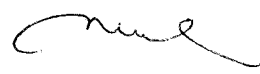


9. स्वतंत्रता के पश्चात् राजनीति और महिलाएं - पंचायत
10. स्वतंत्रता के पश्चात् राजनीति और महिलाएं - विधानसभा से संसद तक
11. मताधिकार और महिलाएं
12. पंचवर्षीय योजनाएं और महिलाएं

इकाई - 4

13. भारतीय संविधान में महिलाओं की स्थिति
14. स्वतंत्रोत्तर भारत में महिलाओं की वैधानिक स्थिति
15. जनजातीय समाज में महिलाओं की स्थिति
16. महिलाओं के प्रति हिंसा एवं अपराध

इकाई - 5

17. महिलाएं - कला एवं साहित्य के क्षेत्र में
18. मानवाधिकार एवं महिलाएं
19. स्वतंत्रोत्तर भारत में महिला शिक्षा
20. काम काजी महिलाएं - स्वावलंबन एवं सशक्तिकरण

संदर्भ ग्रंथ :

- (1) कमलेश्वर प्रसाद — भारत का इतिहास खंड 1, 2, 3
- (2) सुगम आनंद — भारतीय इतिहास में नारी
- (3) विपिन चंद्र — आजादी के बाद का भारत
- (4) पुरी, दास, चोपड़ा — भारत का सामाजिक, आर्थिक, सांस्कृतिक इतिहास (खंड तीन)
- (5) प्रताप सिंह — आधुनिक भारत का सामाजिक, आर्थिक इतिहास
- (6) आनंद मूर्ति — भारतीय इतिहास में नारी
- (7) गोपा जोशी — भारत में स्त्री असमानता
- (8) नीतू केंग — इंडियन वीमेन एक्टीविस्ट
- (9) सी.एन.मंगल, यशोदा भट्ट — बीयांड द थ्रेस होल्ड-इंडियन वीमेन ऑन द मूव
- (10) सुधा गोस्वामी — भारत की चर्चित महिलाएं
- (11) कौरोलिय एम बायर्ली — महिलायें और संचार माध्यम और कारेन रास
- (12) साधना आर्य, नवोदिता — नारीवादी राजनीति संघर्ष एवं मुद्दे मेनन आदि (संपादक)
- (13) यशोदा भट्ट — वीमेन इन इंडिया इन फिफ्टी इयर्स ऑफ इंडिपेंडेंस
- (14) वृंदा करात — भारतीय नारी संघर्ष और मुक्ति
- (15) सीमा पाल — भारतीय संस्कृति एवं ब्रिटिश उपनिवेशवाद
- (16) एल.पी. माथुर — भारत की महिला स्वतंत्रता सेनानी

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सत्र-2020-21 (Session 2020-21)
(जुलाई 2020 से प्रारंभ)
एम.ए.अंतिम, इतिहास (M.A. Final, History)
तृतीय एवं चतुर्थ सेमेस्टर (Third & Fourth Semester)

टीप :- परीक्षार्थियों को निम्नलिखित खण्ड ब एवं स में से किसी एक खण्ड का चयन कर उसके दोनों प्रश्न पत्रों को हल करना होगा तथा दिये गए चार वैकल्पिक प्रश्न पत्रों में से कोई दो वैकल्पिक प्रश्न पत्रों का चयन करना होगा। सभी प्रश्न पत्रों में 100-100 अंक होंगे। 100 अंकों में 80 अंक सैद्धांतिक एवं 20 अंक आंतरिक मूल्यांकन के होंगे। सभी प्रश्न पत्रों के 5-5 क्रेडिट है।

तृतीय सेमेस्टर (Third Semester)

प्रश्न पत्र	प्रश्न पत्र का नाम	कोड संख्या	पूर्णांक	सैद्धांतिक	आंतरिक मूल्यांकन
प्रथम I	खण्ड ब : मध्यकालीन भारत Setion B : Medieval India सल्तनत कालीन भारतीय राजनय एवं अर्थव्यवस्था (1200 से 1526 ई. तक) Indian polity and economy in the Sultanate period (1200-1526 A.D.)	0380-I	100	80	20
द्वितीय II	सल्तनत कालीन समाज एवं संस्कृति (1200 से 1526 ई.) Society and culture in the Sultanate period (1200-1526 A.D.)	0381-I	100	80	20
प्रथम I	खण्ड स : आधुनिक भारत Setion C : Modern India आधुनिक भारत का राजनीतिक, प्रशासनिक इतिहास (1757 ई. से 1857 ई. तक) Political and Administrative History of Modern India(1757 A.D. to 1857 A.D.)	0382-I	100	80	20
द्वितीय II	आधुनिक भारत का आर्थिक, सामाजिक, एवं सांस्कृतिक इतिहास (1757 ई. से 1857 ई. तक) Economical, Social and Cultural History of Modern India (1757 -1857 A.D.)	0383-I	100	80	20

वैकल्पिक प्रश्न पत्र (Optional Paper)					
वैक. प्रथम Op. - I	भारतीय राष्ट्रीय आंदोलन का इतिहास (1857 से 1922 ई. तक) History of Indian National Movement (1857 to 1922 A.D.)	0384-I	100	80	20
वैक. द्वितीय Op. - II	भारत का सांस्कृतिक इतिहास (प्रारंभ से 1526 ई. तक) Cultural History of India (Beginning to 1526 A.D.)	0385-I	100	80	20
वैक. तृतीय Op. - III	भारतीय संविधान और शासन व्यवस्था (Indian Constitution and Administrative System)	0386-I A	100	80	20
वैक. चतुर्थ Op. - IV	पर्यटन सिद्धांत Tourism Theory	0387-I	100	80	20

चतुर्थ सेमेस्टर (Forth Semester)

प्रश्न पत्र	प्रश्न पत्र का नाम	कोड संख्या	पूर्णांक	सैद्धांतिक	आंतरिक मूल्यांकन
प्रथम I	खण्ड ब : मध्यकालीन भारत Setion B : Medieval India मुगलकालीन भारतीय राजनय एवं अर्थव्यवस्था (1526 से 1750 ई. तक) Indian Politiy and Economy in Mughal Period (1526-1750 A.D.)	0380-II	100	80	20
द्वितीय II	मुगलकालीन समाज एवं संस्कृति (1526 से 1750 ई.) Society and Culture in Mughal Period (1526-1750 A.D.)	0381-II	100	80	20
प्रथम I	खण्ड स : आधुनिक भारत Setion C : Modern India आधुनिक भारत का राजनीतिक एवं प्रशासनिक इतिहास (1858 ई. से 1964 तक) (Political and Administrative History of Modern India (1858 - 1964 A.D.)	0382-II	100	80	20
द्वितीय II	आधुनिक भारत का आर्थिक, सामाजिक एवं सांस्कृतिक इतिहास (1858 ई. से 1964 ई. तक) Economical, Social, and Cultural History of Modern India (1858 A.D. to 1964 A.D.)	0383-II	100	80	20

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वैकल्पिक प्रश्न पत्र (Optional Paper)					
वैक. प्रथम Op. - I	भारतीय राष्ट्रीय आंदोलन का इतिहास (1922 से 1947 ई. तक) History of Indian Indian National Movement (1922 - 1947 A.D.)	0384— II	100	80	20
वैक. द्वितीय Op. - II	भारत का सांस्कृतिक इतिहास (1526 ई. से 1950 ई. तक) Cultural History of India (1526 - 1950 A.D.)	0385— II	100	80	20
वैक. तृतीय Op. - III	भारत की केन्द्रीय तथा प्रांतीय शासन व्यवस्था Central and Provincial Administrative System of India	0386— IIA	100	80	20
वैक. चतुर्थ Op. - IV	पर्यटन सिद्धांत एवं व्यवहार—इतिहास के संदर्भ में Tourism Theory and Principles In Reference of History	0387— II	100	80	20





सत्र 2020-21 (जुलाई 2020 से प्रारंभ)
 एम.ए.अंतिम इतिहास ,तृतीय सेमेस्टर (M.A. Final.History ,Third Semester)
 (खण्ड-ब) मध्यकालीन भारत (Section -B, Medieval India)
 प्रथम-प्रश्न पत्र (Paper - I)
 सल्तनत कालीन भारतीय राजनय एवं अर्थव्यवस्था (1200 से 1526 ई.)
 Indian Polity and Economy in Sultanate Period (1200-1526 A.D.)
 (पेपर कोड-0380-I) (Paper Code-0380-I)

इकाई - 1

1. सल्तनत कालीन इतिहास के स्रोत
2. दिल्ली सल्तनत की स्थापना एवं प्रसार
3. सल्तनत कालीन इतिहास लेखन - विभिन्न विचारधाराएं
4. सल्तनत कालीन राज्य का स्वरूप एवं सिद्धांत

इकाई - 2

5. सल्तनतकालीन केन्द्रीय प्रशासन
6. सल्तनत कालीन प्रांतीय व्यवस्था-इक्ता
7. अलाउद्दीन खिलजी की आर्थिक नीति-बाजार नियंत्रण
8. अलाउद्दीन खिलजी की विजयें-उत्तर भारत, दक्षिण भारत

इकाई - 3

9. मुहम्मद बिन तुगलक की योजनाएं
10. फिरोजशाह तुगलक का प्रशासन
11. सल्तनतकालीन क्षेत्रीय राज्य - उत्तर भारत
12. सल्तनतकालीन क्षेत्रीय राज्य - दक्षिण भारत

इकाई - 4

13. सल्तनतकालीन भूराजस्व व्यवस्था
14. सल्तनतकालीन शिल्प व उद्योग
15. सल्तनतकालीन आंतरिक व्यापार
16. सल्तनतकालीन विदेशी व्यापार

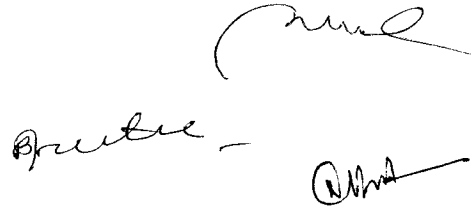
इकाई - 5

17. तैमूर का आक्रमण एवं प्रभाव
18. सल्तनत काल में नगरों का उदय
19. सल्तनत कालीन मुद्राएं एवं बैंकिंग
20. सल्तनत कालीन - कृषि एवं उद्योग

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संदर्भ ग्रंथ :

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| (1) हरिश्चंद्र वर्मा | — मध्यकालीन भारत भाग — 1 |
| (2) ए.एल. श्रीवास्तव | — सल्तनतकालीन भारत |
| (3) विपिन बिहारी सिन्हा | — मध्यकालीन भारत |
| (4) बी.एन. लूणिया | — पूर्व मध्यकालीन भारत |
| (5) इरफान हबीब | — सल्तनतकालीन भारत |
| (6) एल.पी. शर्मा | — मध्यकालीन भारत |
| (7) हेरम्ब चतुर्वेदी | — मध्यकालीन इतिहासकार |
| (8) सतीश चंद्र | — मध्यकालीन भारत—राजनीति, समाज और संस्कृति—आठवीं से सत्रहवीं सदी तक |
| (9) वी. डी. महाजन | — मध्य कालीन भारत 1000ई. से 1761ई. तक |



सत्र 2020-21 (जुलाई 2020 से प्रारंभ)
 एम.ए.अंतिम इतिहास, तृतीय सेमेस्टर (M.A. Final. History, Third Semester)
 (खण्ड-ब) मध्यकालीन भारत (Section -B, Medieval India)
 द्वितीय-प्रश्न पत्र (Paper - II)
 सल्तनत कालीन समाज एवं संस्कृति (1200 से 1526 ई. तक)
 Society and Culture in Sultanate Period (1200-1526 A.D.)
 (पेपर कोड-0381-I) (Paper Code-0381-I)

इकाई - 1

1. सल्तनत कालीन समाज - संरचना एवं परिवर्तन
2. सल्तनत कालीन नगरीय समाज -- नये सामाजिक वर्गों का उदय
3. सल्तनत कालीन हिन्दू समाज
4. सल्तनत कालीन मुस्लिम समाज

इकाई - 2

5. भक्ति आंदोलन - उदय के लिए उत्तरदायी तत्व
6. सगुण भक्ति की विशेषताएं
7. कृष्ण भक्ति शाखा
8. राम भक्ति शाखा

इकाई - 3

9. निर्गुण भक्ति सम्प्रदाय - कबीर और नानक
10. भक्ति आंदोलन की क्षेत्रीय विशेषताएं
11. भक्ति आंदोलन की भारतीय समाज एवं संस्कृति पर प्रभाव
12. भक्ति आंदोलन का साहित्य पर प्रभाव

इकाई - 4

13. सूफीवाद
14. प्रमुख सूफी सिलसिलें और उनकी विशेषताएं
15. इण्डो-इस्लामिक संस्कृति का उदय एवं विकास
16. सल्तनत कालीन विज्ञान एवं तकनीकी

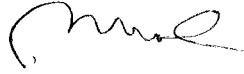
इकाई - 5

17. सल्तनत कालीन स्थापत्य कला
18. सल्तनत कालीन क्षेत्रीय स्थापत्य कला
19. सल्तनत काल में साहित्य का विकास
20. सल्तनत काल में चित्रकला एवं संगीत कला

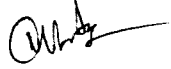
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संदर्भ ग्रंथ :

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| (1) बी.के. पंजाबी | — मध्यकालीन भारतीय इतिहास |
| (2) हरिश्चंद्र वर्मा | — मध्यकालीन भारत भाग-1 |
| (3) रामधारी सिंह दिनकर | — संस्कृति के चार अध्याय |
| (4) बी.एन. लूणिया | — पूर्व मध्यकालीन भारत |
| (5) विपिन बिहारी सिन्हा | — मध्यकालीन भारत |
| (6) प्रताप सिंह | — मध्यकालीन संस्कृति |
| (7) राजबली सिंह | — सूफीवाद |
| (8) एल.पी. शर्मा | — मध्यकालीन भारत |
| (9) ए.एल. श्रीवास्तव | — मध्यकालीन संस्कृति |
| (10) पुरी, दास, चोपड़ा | — भारत का सामाजिक, आर्थिक एवं सांस्कृतिक इतिहास (भाग-2) |
| (11) वी. डी. महाजन | — मध्य कालीन भारत 1000ई. से 1761ई. तक |







सत्र 2020-21 (जुलाई 2020 से प्रारंभ)
 एम.ए.अंतिम इतिहास, तृतीय सेमेस्टर (M.A. Final, History ,Third Semester)
 (खण्ड-स) आधुनिक भारत (Section -C, Modern India)

प्रथम-प्रश्न पत्र (Paper - I)

आधुनिक भारत का राजनीतिक एवं प्रशासनिक इतिहास (1757 ई. से 1857 ई. तक)
 Political and Administrative History of Modern India(1757 -1857A.D.)

(पेपर कोड-0382-I) (Paper Code-0382-I)

इकाई — 1

1. आधुनिक भारतीय इतिहास के स्रोत
2. आधुनिक भारतीय इतिहास लेखन की विचारधाराएं—साम्राज्यवादी, राष्ट्रवादी
3. आधुनिक भारतीय इतिहास लेखन की विचारधाराएं—मार्क्सवादी, जनवादी
4. पूर्व औपनिवेशिक भारत की राजनीतिक व्यवस्था

इकाई — 2

5. भारत में यूरोपियों का आगमन
6. कर्नाटक में आंग्ल-फ्रांसीसी प्रतिष्पर्द्धा
7. बंगाल में अंग्रेजी शक्ति का उदय
8. ब्रिटिश साम्राज्य का विस्तार—नीतियां तथा कार्यक्रम

इकाई — 3

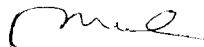
9. आंग्ल — मैसूर संबंध
10. आंग्ल — मराठा संबंध
11. आंग्ल-अफगान संबंध
12. आंग्ल — सिक्ख संबंध

इकाई — 4

13. आंग्ल — अवध संबंध
14. भारत की औपनिवेशिक संरचना—प्रशासनिक स्वरूप
15. संवैधानिक विकास — 1773-1784
16. संवैधानिक विकास — 1784-1854

इकाई — 5

17. कंपनी एवं रियासतों के संबंध
18. कंपनी प्रशासन के अंतर्गत पुलिस, लोकसेवा एवं न्याय व्यवस्था
19. उपनिवेशवाद का प्रतिरोध—जनजातीय व कृषक आंदोलन
20. लार्ड डलहौजी के सुधार, हड़प नीति एवं 1857 की क्रांति की पृष्ठभूमि

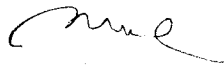






संदर्भ ग्रंथ :

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| (1) एल.पी. शर्मा | — आधुनिक भारत |
| (2) रजनीपाम दत्त | — इंडिया टुडे |
| (3) प्रताप सिंह | — आधुनिक भारत का इतिहास |
| (4) एम.एस. जैन | — आधुनिक भारत |
| (5) सुमित सरकार | — आधुनिक भारत का इतिहास |
| (6) बी.एल. ग्रोवर एवं यशपाल | — आधुनिक भारत का इतिहास |
| (7) एग्नेस ठाकुर | — भारत का इतिहास 1757–1857 |
| (8) वीरकेश्वर प्रसाद सिंह | — भारतीय राष्ट्रीय आंदोलन एवं संवैधानिक विकास |
| (9) एस.आर. शर्मा | — मेकिंग आफ मार्टन इंडिया |
| (10) बी.बी. मिश्र | — सेंट्रल एडमिनिस्ट्रेशन आफ ईस्ट इंडिया कंपनी |
| (11) शेखर बंधोपाध्याय | — प्लासी से विभाजन तक और उसके बाद |
| (12) विपिन चंद्रा | — आधुनिक भारत का इतिहास |
| (13) वी.डी. महाजन | — मार्टन इंडियन हिस्ट्री फ्राम 1707 टू प्रजेन्ट डे |
| (14) के.सी. चौधरी | — हिस्ट्री आफ मार्टन इंडिया |
| (15) कौलेश्वर राय | — आधुनिक भारत 1757–1950 |
| (16) सीमा पाल | — भारतीय संस्कृति एवं ब्रिटिश उपनिवेशवाद |





सत्र 2020-21 (जुलाई 2020 से प्रारंभ)
 एम.ए.अंतिम इतिहास, तृतीय सेमेस्टर (M.A. Final History, Third Semester)
 (खण्ड-स) आधुनिक भारत (Section -C, Modern India)
 द्वितीय-प्रश्न पत्र (Paper - II)
 आधुनिक भारत का आर्थिक, सामाजिक एवं सांस्कृतिक इतिहास (1757 ई.से 1857ई. तक)
 (Economical, Social and Cultural History of Modern India 1757 -1857 A.D.)
 (पेपर कोड-0383-I) (Paper Code-0383-I)

इकाई - 1

1. पूर्व औपनिवेशिक भारत की आर्थिक व्यवस्था
2. यूरोपीय वाणिज्यवाद का उदय
3. अंग्रेजों की व्यापारिक, वाणिज्यिक नीति
4. कृषि का वाणिज्यीकरण

इकाई - 2

5. ग्रामीण अर्थव्यवस्था - कृषि की स्थिति एवं समस्याएं
6. नवीन भूराजस्व व्यवस्था - स्थाई बंदोबस्त
7. नवीन भूराजस्व व्यवस्था - रैयतवाड़ी, महालवाड़ी
8. अकाल एवं अकाल नीति

इकाई - 3

9. शहरी अर्थव्यवस्था - हस्तशिल्प, उद्योगों का पतन
10. नवीन औद्योगीकरण
11. आंतरिक बाजार और शहरी केन्द्र, विदेशी व्यापार
12. धन का निष्कासन

इकाई - 4

13. पूर्व औपनिवेशिक भारत की सामाजिक एवं सांस्कृतिक व्यवस्था
14. भारतीय पुनर्जागरण
15. समन्वयवादी समाज सुधार आंदोलन-बंगाल एवं महाराष्ट्र के संदर्भ में
16. सामाजिक सुधार शासन द्वारा किये गए सुधार कार्य

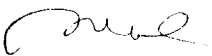
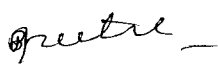

इकाई - 5

17. प्रतिक्रियावाद - बहावी आंदोलन
18. नवीन सामाजिक वर्गों का उदय
19. शिक्षा का विकास
20. भारतीय प्रेस (1857 तक)

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संदर्भ ग्रंथ :

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|------------------------|--|
| (1) एल.पी. शर्मा | — आधुनिक भारत |
| (2) ए.आर. देसाई | — आधुनिक राष्ट्रवाद की सामाजिक पृष्ठभूमि |
| (3) रजनी पामदत्त | — इंडिया टुडे |
| (4) ग्रोवर एवं यशपाल | — आधुनिक भारत का इतिहास एवं नवीन मूल्यांकन (1707–1969) |
| (5) एस.आर. शर्मा | — मेकिंग आफ मॉडर्न इंडिया |
| (6) प्रताप सिंह | — आधुनिक भारत-1, खंड-3 |
| (7) एम.एस. जैन | — आधुनिक भारत का इतिहास |
| (8) एस.पी. नायर | — सोशल एंड इकॉनामिक हिस्ट्री आफ मॉडर्न इंडिया |
| (9) S.P. Nanda | - Economic and Social History of Modern India |
| (10) V.A. Narain | - Social History of Modern India |
| (11) एग्नेस ठाकुर | — भारत का आर्थिक इतिहास (1757–1950) |
| (12) पुरी, दास, चोपड़ा | — भारत का सामाजिक आर्थिक एवं सांस्कृतिक इतिहास |
| (13) अरूण भट्टाचार्य | — हिस्ट्री आफ मॉडर्न इंडिया (1757–1947) |
| (14) नीलकंठ शास्त्री | — एडवांस हिस्ट्री ऑफ इंडिया |
| (15) आर.सी. मजुमदार | — ऐन एडवांस हिस्ट्री ऑफ इंडिया |
| एवं एच.सी. राय | |
| (16) कौलेश्वर राय | — आधुनिक भारत 1757–195 |
| (17) सीमा पाल | — भारतीय संस्कृति एवं ब्रिटिश उपनिवेशवाद |

सत्र 2020-21 (जुलाई 2020 से प्रारंभ)
 एम.ए.अंतिम इतिहास, तृतीय सेमेस्टर (M.A.Final History, Third Semester)
 प्रश्न पत्र (वैकल्पिक-01) (Paper - Optional - 01)
 भारतीय राष्ट्रीय आंदोलन का इतिहास (1857ई. से 1922ई. तक)
 History of National Movement (1857 - 1922 A.D.)
 (पेपर कोड-0384-I) (Paper Code-0384-I)

इकाई — 1

1. 1857 के विप्लव के कारण एवं घटनाएं
2. 1857 के विप्लव का स्वरूप एवं परिणाम
3. भारत में राष्ट्रवाद की वैचारिक पृष्ठभूमि
4. कांग्रेस की स्थापना के पूर्व राजनीतिक संगठन

इकाई — 2

5. भारतीय राष्ट्रीय कांग्रेस की स्थापना — अवधारणाएं एवं उद्देश्य
6. कांग्रेस का नरमपंथी युग — विचारधारा एवं कार्यक्रम
7. कांग्रेस में उग्रवाद का उदय — विचारधारा एवं कार्यक्रम
8. नरमपंथी — उग्रवाद संघर्ष, सूरत की फूट

इकाई — 3

9. बंग-भंग एवं स्वदेशी आंदोलन
10. साम्प्रदायिक राजनीति का उदय, मुस्लिम लीग
11. लखनऊ समझौता
12. होमरूल आंदोलन

इकाई — 4

13. गांधीजी का भारतीय राजनीति में प्रवेश एवं उनके नेतृत्व में प्रारंभिक आंदोलन
14. खिलाफत आंदोलन
15. रोलेट एक्ट, जलियावाला बाग हत्याकांड और उसका प्रभाव
16. 1919 के अधिनियम

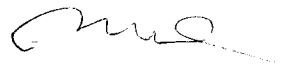
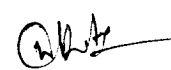
इकाई — 5

17. क्रांतिकारी आंदोलन—प्रथम चरण—महाराष्ट्र, बंगाल, पंजाब एवं अन्य क्षेत्र
18. क्रांतिकारी आंदोलन की विदेशों में गतिविधियां
19. असहयोग आंदोलन
20. असहयोग आंदोलन का भारतीय राजनीति पर प्रभाव

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संदर्भ ग्रंथ :

- (1) ताराचंद — भारतीय स्वाधीनता आंदोलन का इतिहास भाग 1 व 2
- (2) सुमित सरकार — आधुनिक भारत
- (3) पं.सुंदरलाल शर्मा — भारत में अंग्रेजी राज
- (4) डॉ. आभा सक्सेना — इंडियन नेशनल मूवमेंट एंड द लिबरलस
- (5) ए.आर. देसाई — भारतीय राष्ट्रवाद की सामाजिक पृष्ठभूमि
- (6) शर्मा एवं शर्मा — भारतीय राष्ट्रीय आंदोलन एवं राजनैतिक विकास
- (7) कौलेश्वर राय — फ्रीडम स्ट्रगल
- (8) विपिन चन्द्र — भारतीय स्वतंत्रता संग्राम का इतिहास
- (9) बीरकेश्वर प्रसाद सिंह — भारतीय राष्ट्रीय आंदोलन एवं संवैधानिक विकास
- (10) रामलखन शुक्ला — आधुनिक भारत का इतिहास
- (11) विनोद कुमार सक्सेना — द पार्टीशन ऑफ बंगाल
- (12) कै.पी. बहादुर — हिस्ट्री ऑफ फ्रीडम मूवमेंट इन इंडिया
- (13) योगेन्द्र श्रीवास्तव — हिस्ट्री ऑफ फ्रीडम मूवमेंट 1857—1947
- (14) यशपाल एवं ग्रोवर — आधुनिक भारत का इतिहास
- (15) कौलेश्वर राय — आधुनिक भारत 1757—1950


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सत्र 2020-21 (जुलाई 2010 से प्रारंभ)
 एम.ए.अंतिम इतिहास, तृतीय सेमेस्टर (M.A. Final. History, Third Semester)
 प्रश्न पत्र (वैकल्पिक-02) (Paper - Optional - 02)
 भारत का सांस्कृतिक इतिहास (प्रारंभ से 1526 ई. तक)
 Cultural History of India (Begining to 1526 A.D.)
 (पेपर कोड-0385-I) (Paper Code-0385-I)

इकाई - 1

1. हड़प्पा कालीन सामाजिक एवं आर्थिक जीवन
2. हड़प्पा कालीन कला एवं स्थापत्य कला
3. आर्यों का मूल निवास संबंधी अवधारणाएं
4. आर्यों का भारत में प्रसार

इकाई - 2

5. ऋग्वेद कालीन समाज एवं संस्कृति
6. उत्तरवैदिक कालीन समाज एवं संस्कृति
7. वेद, उपनिषद, सूत्र, स्मृतिग्रंथ
8. महाकाव्य युगीन संस्कृति

इकाई - 3

9. महाजनपद कालीन समाज एवं संस्कृति
10. जैन धर्म, बौद्ध धर्म
11. मौर्यकालीन समाज एवं संस्कृति
12. भारतीय संस्कृति में अशोक का योगदान

इकाई - 4

13. गुप्तकालीन समाज एवं धर्म
14. गुप्तकालीन कला विज्ञान एवं साहित्य
15. राजपूत कालीन समाज
16. राजपूत कालीन कला एवं स्थापत्य

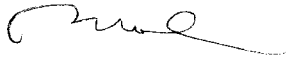


इकाई - 5

17. सल्तनत कालीन समाज
18. सल्तनतकालीन संस्कृति की विशेषताएं
19. भक्ति आंदोलन
20. सूफी आंदोलन

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संदर्भ ग्रंथ :

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| (1) रामशरण शर्मा | — प्राचीन भारत |
| (2) विमल चन्द्र पाण्डेय | — प्राचीन भारत का राजनीतिक, सांस्कृतिक इतिहास |
| (3) रोमिला थापर | — अशोक तथा मौर्य साम्राज्य का पतन |
| (4) के.एन. शास्त्री | — दक्षिण भारत का इतिहास |
| (5) ए.एल. बाशम | — अद्भुत भारत |
| (6) भारद्वाज | — मध्यकालीन भारतीय संस्कृति |
| (7) जयनारायण पांडे | — सिंधु सभ्यता |
| (8) के.सी. श्रीवास्तव | — प्राचीन भारत का इतिहास तथा संस्कृति |
| (9) शिवशंकर शर्मा | — भारतीय संस्कृति |
| (10) नीरज श्रीवास्तव | — मध्यकालीन भारत—प्रशासन, समाज एवं संस्कृति |
| (11) रामशरण शर्मा | — प्रारंभिक भारत का परिचय |
| (12) कृष्ण मोहन श्रीमाली | — धर्म, समाज एवं संस्कृति |
| (13) रमेन्द्र नाथ नंदी | — प्राचीन भारत में धर्म के सामाजिक आधार |
| (14) राधाकुमुद मुखर्जी | — हिन्दू सभ्यता |
| (15) बी.एन. लूणिया | — प्राचीन भारतीय संस्कृति |
| (16) राजबली | — सूफीवाद |

सत्र 2020-21 (जुलाई 2020 से प्रारंभ)
 एम.ए.अंतिम, इतिहास तृतीय सेमेस्टर (M.A.Final- History, Third Semester)
 प्रश्न पत्र (वैकल्पिक 3) (Paper optional- 3)
भारतीय संविधान और शासन व्यवस्था
 (Indian Constitution and Administrative System)

इकाई -1

1. भारत की संविधान सभा का गठन
2. भारत का संविधान सभा की विभिन्न समितियाँ
3. भारतीय संविधान की प्रस्तावना
4. भारतीय संविधान की प्रमुख विशेषताएँ

इकाई -2

5. भारतीय संविधान के स्रोत
6. मौलिक अधिकार एवं सवैधानिक उपचार
7. नीति निर्देशक तत्व
8. मौलिक कर्तव्य

इकाई-3

9. राष्ट्रपति - निर्वाचन, शक्तियाँ एवं कर्तव्य
10. उपराष्ट्रपति निर्वाचन शक्तियाँ एवं कर्तव्य
11. प्रधानमंत्री एवं मंत्रिपरिषद तथा उनके कार्य
12. संसद का गठन - राज्य सभा एवं लोकसभा

इकाई-4

13. संविधान संशोधन प्रक्रिया एवं प्रमुख संशोधन
14. आपातकालीन उपबंध
15. महान्यायवादी
16. नियंत्रक एवं महालेखा परीक्षक

इकाई-5

17. सर्वोच्च न्यायालय
18. संघलोक सेवा आयोग, निर्वाचन आयोग
19. नीति आयोग एवं राष्ट्रीय विकास परिषद
20. वित्त आयोग

अनुशंसित पुस्तकें :-

- डी.डी. बसु - भारत का संविधान एक परिचय
- हिर मोहन जैन - भारतीय शासन और राजनीति
- सुशीला कौशिक - भारतीय शासन और राजनीति
- R.C.Agrawal - Indian Political System
- A.G.Noorani - Constitutional Questions in India
- A.S.Narang - Indian Government and Politics
- G.Austin - The Indian Constitution
- M.V.Paylee - An Introduction to the constitution of India
- सुभाष कश्यप - हमारा संविधान

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सत्र 2020-21 (जुलाई 2020 से प्रारंभ)
एम.ए.अंतिम, इतिहास, तृतीय सेमेस्टर (M.A.Final History, Third Semester)
प्रश्न पत्र (वैकल्पिक-04) (Paper - Optional -04)
पर्यटन सिद्धान्त (Tourism Theory)
(पेपर कोड-0387-I) (Paper Code-0387-I)

इकाई - 1

1. पर्यटन का अर्थ एवं परिभाषा
2. पर्यटन की अवधारणा
3. पर्यटन का उद्देश्य एवं महत्व
4. पर्यटन के सिद्धान्त एवं व्यवहार

इकाई - 2

5. पर्यटन संगठन
6. भारतीय पर्यटन संगठन केन्द्रीय
7. प्रान्तीय पर्यटन विभाग
8. छत्तीसगढ़ पर्यटन विकास की योजनाएं

इकाई - 3

9. ट्रैवल एजेंसी - गठन
10. ट्रैवल एजेंसी - कार्य
11. पर्यटन एवं यातायात
12. टिकट एवं आरक्षण कार्य

इकाई - 4

13. पर्यटन विकास में संचार साधनों का योगदान
14. पर्यटन एवं आवास तथा होटल उद्योग, मुद्रा विनिमय
15. अंतर्राष्ट्रीय पर्यटन - पासपोर्ट, वीसा विदेशी संबंधी नियम
16. अंतर्राष्ट्रीय पर्यटन सुविधाएं एवं समस्याएं

इकाई - 5

17. पर्यटन एवं हस्तशिल्प उद्योग
18. पर्यटन एवं कला
19. पर्यटन एवं लोक संस्कृति
20. पर्यटन एवं मेले त्यौहार

संदर्भ ग्रंथ :

- (1) जगमोहन नेगी - पर्यटन एवं यात्रा के सिद्धान्त
- (2) जगमोहन नेगी - पर्यटन एवं मार्केटिंग तथा विकास
- (3) के.के. दीक्षित - पर्यटन के विविध आयाम
- (4) ताज राव - पर्यटन विकास के विविध आयाम
- (5) ताज राव - पर्यटन का प्रभाव एवं प्रबंधन
- (6) ए.के. भाटिया - टूरिज्म डेवलेपमेंट प्रिंसिपल एंड प्रैक्टिसेज
- (7) राम आचार्य - टूरिज्म इन इंडिया

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सत्र 2020-21 (जनवरी 2021 से प्रारंभ)
 एम.ए.अंतिम, इतिहास चतुर्थ सेमेस्टर (M.A. Final. History ,Fourth Semester)
 (खंड- ब, मध्यकालीन भारत) (Section - B , Medieval India)
 पंचम प्रश्न पत्र (Paper - V)
 मुगलकालीन भारतीय राजनय एवं अर्थव्यवस्था (1526 से 1750 ई. तक)
 Indian Politiy and Economy in Mughal Period (1526-1750 A.D.)
 (पेपर कोड-0380-II) (Paper Code-0380-II)

इकाई - 1

1. मुगलकालीन इतिहास के स्रोत
2. मुगलकालीन इतिहास लेखन - विभिन्न विचारधाराएं
3. मुगलकालीन राजनय - दैवीय अधिकार का सिद्धांत
4. मुगल शासकों की राजत्व नीति

इकाई - 2

5. मुगलकालीन केन्द्रीय प्रशासन
6. मुगलकालीन प्रांतीय प्रशासन विशेषताएं
7. मनसब एवं जागीर
8. शेरशाह का प्रशासन

इकाई - 3

9. मुगलकालीन दरबारी राजनीति एवं संघर्ष
10. मराठा इतिहास के स्रोत
11. मराठा राज्य की स्थापना एवं विकास
12. शिवाजी का प्रशासन

इकाई - 4

13. मुगलकालीन कृषि अर्थव्यवस्था एवं भू-राजस्व
14. मुगलकाल में शिल्प उद्योग
15. मुगलकालीन आंतरिक व्यापार
16. मुगलकालीन विदेशी व्यापार

इकाई - 5

17. मुगलकाल में नगरों का उदय-नगरीय प्रशासन
18. मुगलकालीन मुद्रा एवं बैंकिंग
19. नए व्यापारिक वर्गों का उदय
20. मुगल काल में कृषि एवं उद्योग में तकनीकी परिवर्तन

संदर्भ ग्रंथ :

- | | |
|----------------------|------------------------------------|
| 1. हरिश्चन्द्र वर्मा | - मध्यकालीन भारत - भाग 2 |
| 2. सर जदुनाथ सरकार | - शिवाजी एंड हिज टाईम्स |
| 3. ए.एल. श्रीवास्तव | - मुगलकालीन भारत |
| 4. बी.एन. लुनिया | - मुगल साम्राज्य का उत्कर्ष |
| 5. बी.के. पंजाबी | - मध्यकालीन भारत का इतिहास |
| 6. हेरम्ब चतुर्वेदी | - मुगलकालीन इतिहासकार |
| 7. हेरम्ब चतुर्वेदी | - मुगलकालीन राजनय एवं अर्थव्यवस्था |
| 8. पी.पी. सिन्हा | - मध्यकालीन भारत |

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सत्र 2020-21 (जनवरी 2021 से प्रारंभ)
 एम.ए.अंतिम इतिहास, चतुर्थ सेमेस्टर (M.A. Final. History, Fourth Semester)
 (खंड- ब ,मध्यकालीन भारत) (Section – B,Medieval India)
 षष्ठम प्रश्न पत्र (Paper – VI)
 मुगलकालीन भारतीय समाज एवं संस्कृति (1526 से 1750 ई. तक)
 Society and Culture in Mughal Period (1526-1750 A.D.)
 (पेपर कोड-0381-II) (Paper Code-0381-II)

इकाई – 1

1. मुगलकालीन हिन्दू समाज
2. मुगलकालीन मुस्लिम समाज
3. मुगलकालीन समाज में शासक वर्ग की भूमिका
4. मुगलकाल में स्त्रियों की दशा

इकाई – 2

5. मुगलकालीन स्थापत्यकला
6. मुगलकालीन क्षेत्रीय स्थापत्य कला
7. मुगलकालीन चित्रकला
8. क्षेत्रीय चित्रकला का विकास

इकाई – 3

9. फारसी भाषा एवं साहित्य का विकास
10. हिन्दी साहित्य का विकास
11. संस्कृत साहित्य का विकास
12. उर्दू भाषा एवं साहित्य का विकास

इकाई – 4

13. मुगलकाल में समन्वयवादी संस्कृति का विकास
14. मुगलकाल में संस्कृति के विकास में अकबर का योगदान
15. समन्वयवादी संस्कृति का विघटन और औरंगजेब
16. मुगलकाल में नृत्य एवं संगीतकला का विकास

इकाई – 5

17. मुगलकाल में धार्मिक आंदोलन
18. सामंती व्यवस्था का समाज पर प्रभाव
19. मराठा संस्कृति की विशेषताएं
20. मुगलकाल में ईसाई धर्म का आगमन

संदर्भ ग्रंथ :

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|-----------------------------|---|
| 1. आर्शीवादी लाल श्रीवास्तव | — मध्यकालीन भारत |
| 2. हरिशचन्द्र वर्मा | — मध्यकालीन भारत – 2 |
| 3. बी.एन. लुनिया | — मुगल साम्राज्य का उत्कर्ष |
| 4. ए.एल. श्रीवास्तव | — मध्यकालीन संस्कृति |
| 5. दिनेश चन्द्र भारद्वाज | — मध्यकालीन संस्कृति |
| 6. पुरीदास एवं चोपड़ा | — भारत का सामाजिक, सांस्कृतिक एवं आर्थिक इतिहास भाग – 2 |
| 7. एल.पी. शर्मा | — मध्यकालीन भारत |

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सत्र 2020-21 (जनवरी 2021 से प्रारंभ)
 एम.ए.अंतिम इतिहास, चतुर्थ सेमेस्टर (M.A. Final. History, Fourth Semester)
 (खंड-स, आधुनिक भारत) (Section – C, Modern India)

पंचम प्रश्न पत्र (Paper – V)
 आधुनिक भारत का राजनीतिक एवं प्रशासनिक इतिहास (1858 से 1964 ई. तक)
 Political and Administrative History of Modern India (1858 -1964 A.D.)
 (पेपर कोड-0382-II) (Paper Code-0382-II)

इकाई – 1

1. प्रशासनिक परिवर्तन – संवैधानिक सुधारों के संदर्भ में (1858-1892)
2. प्रशासनिक परिवर्तन – संवैधानिक सुधारों के संदर्भ में (1909-1919)
3. प्रशासनिक परिवर्तन – संवैधानिक सुधारों के संदर्भ में (1935-1947)
4. भारतीय गणतंत्र का संविधान

इकाई – 2

5. प्रशासनिक ढांचा – स्थानीय स्वाशासन के संदर्भ में
6. प्रशासनिक ढांचा – लोकसेवा के संदर्भ में
7. प्रशासनिक ढांचा – न्याय व्यवस्था के संदर्भ में
8. प्रशासनिक ढांचा – पुलिस प्रशासन के संदर्भ में

इकाई – 3

9. पड़ोसी राज्यों से संबंध – अफगानिस्तान एवं फारस के संदर्भ में
10. पड़ोसी राज्यों से संबंध – नेपाल एवं बर्मा के संदर्भ में
11. देशी रियासतों के साथ संबंध – नीतिगत विस्तार
12. रियासतों का भारतीय संघ में विलीनीकरण

इकाई – 4

13. भारतीय राष्ट्रवाद का उदय – अवधारणाएं एवं गतिविधियां
14. 1919 तक संगठित राष्ट्रवाद की प्रवृत्तियां
15. कृषक, श्रमिक एवं क्रांतिकारी आंदोलन
16. गांधीवादी आंदोलन – विचारधारा, स्वरूप एवं कार्यक्रम


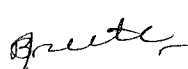
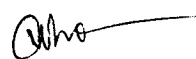
इकाई – 5

17. साम्प्रदायिकता का उदय एवं विकास – मुस्लिम लीग की स्थापना तक
18. साम्प्रदायिकता का विकास – भारत विभाजन तक
19. स्वाधीनता की प्राप्ति
20. भारत की विदेश नीति – गुटनिरपेक्षता

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संदर्भ ग्रंथ :

1. एल.पी.शर्मा — आधुनिक भारत
2. रजनी पाम दत्त — इंडिया टुडे
3. प्रताप सिंह — आधुनिक भारत का इतिहास
4. एम.एस. जैन — आधुनिक भारत
5. सुमित सरकार — आधुनिक भारत का इतिहास
6. बी.एल.ग्रोवर एवं यशपाल — आधुनिक भारत का इतिहास
7. एग्नेस ठाकुर — भारत का इतिहास 1757-1857
8. वीरकेश्वर प्रसाद सिंह — भारतीय राष्ट्रीय आंदोलन एवं संवैधानिक विकास
9. एस.आर. शर्मा — मेकिंग ऑफ मॉडर्न इंडिया
10. बी.बी. मिश्र — सेंट्रल एडमिनिस्ट्रेशन ऑफ ईस्ट इंडिया कंपनी
11. शेखर बंधोपाध्याय — प्लासी से विभाजन तक
12. विपन चन्द्र — आधुनिक भारत का इतिहास
13. बी.डी. महाजन — मॉडर्न इंडियन हिस्ट्री 1707 टू प्रजेन्ट डे
14. के.सी. चौधरी — हिस्ट्री ऑफ मॉडर्न इंडिया
15. कौलेश्वर राय — आधुनिक भारत 1757-1950

सत्र 2020-21 (जनवरी 2021 से प्रारंभ)

एम.ए.अंतिम ,इतिहास चतुर्थ सेमेस्टर (M.A. Final.History, IV- Sem.)

(खंड-स,आधुनिक भारत) (Section-C,Modern India)

षष्ठम प्रश्न पत्र (Paper – VI)

आधुनिक भारत का आर्थिक,सामाजिक एवं सांस्कृतिक इतिहास (1858 से 1964 ई.तक)

Economical, Social and Cultural History of Modern India (1858 A.D. to 1964 A.D.)

(पेपर कोड-0383-II) (Paper Code-0383-II)

इकाई – 1

1. ग्रामीण अर्थव्यवस्था – कृषि की स्थिति
2. ऋण ग्रस्तता एवं बेरोजगारी
3. शहरी अर्थव्यवस्था – औद्योगिकीकरण का विकास 1858-1947
4. वृहद पैमाने के उद्योग

इकाई – 2

5. औद्योगिक श्रम, श्रम संघों का विकास व श्रमिक आंदोलन
6. जनसंख्या
7. रेलवे का विकास एवं भारतीय अर्थव्यवस्था
8. रेलपथ के सामाजिक, आर्थिक प्रभाव

इकाई – 3

9. भूमि सुधार – 1964 तक
10. नियोजित अर्थव्यवस्था-पंचवर्षीय योजनाएं
11. योजनाओं के आर्थिक परिणाम
12. आधुनिक उद्योगों की वृद्धि

इकाई – 4

13. आर्य समाज, प्रार्थना समाज
14. थियोसोफिकल सोसाइटी, रामकृष्ण मिशन
15. अलीगढ़ आंदोलन
16. निम्न जातीय आंदोलन, सिक्ख सुधार आंदोलन

इकाई – 5

17. ब्रिटिश शासन काल में नारी उत्थान के प्रयास
18. आधुनिक शिक्षा का विकास
19. समाचार पत्रों का विकास
20. स्वास्थ्य एवं विज्ञान – तकनीकी विकास

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संदर्भ ग्रंथ :

1. बी.एल.ग्रोवर एवं यशपाल — आधुनिक भारत का इतिहास एक नवीन मूल्यांकन (1707–1969)
2. एल.पी.शर्मा — आधुनिक भारत
3. एस.आर.शर्मा — मेकिंग ऑफ मॉडर्न इंडिया
4. ए.आर.देसाई — भारतीय राष्ट्रवाद की सामाजिक पृष्ठभूमि
5. आर.सी. दत्त — इकोनामिक हिस्ट्री ऑफ इंडिया
6. विपिन चंद्र — भारतीय स्वतंत्रता संग्राम का इतिहास 1857–1947
7. विपिन चंद्र — आजादी के बाद भारत (1947–2000)
8. सुमित सरकार — आधुनिक भारत
9. एम.ए. जैन — आधुनिक भारत का इतिहास
10. प्रताप सिंह — आधुनिक भारत का सामाजिक आर्थिक इतिहास
11. प्रताप सिंह — आधुनिक भारत, 3 खंड
12. एग्नेस ठाकुर — भारत का आर्थिक इतिहास 1757–1950
13. पुरी दास ठाकुर — भारत का सामाजिक, आर्थिक एवं सांस्कृतिक इतिहास
14. अरुण भट्टाचार्य — हिस्ट्री ऑफ मॉडर्न इंडिया

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सत्र 2020-21 (जनवरी 2021 से प्रारंभ)
 एम.ए.अंतिम इतिहास ,चतुर्थ सेमेस्टर (M.A. Final.History, Fourth Semester)
 प्रश्न पत्र (वैकल्पिक -01) (Paper- Optional - 01)
 भारतीय राष्ट्रीय आंदोलन का इतिहास (1922 से 1947 ई. तक)
 History of Indian National Movement (1922 to 1947 A.D.)
 (पेपर कोड-0384-II) (Paper Code-0384-II)

इकाई - 1

1. स्वराज्य दल
2. साइमन कमीशन का विरोध एवं नेहरू रिपोर्ट
3. सविनय अवज्ञा के समय भारत की राजनीतिक स्थिति
4. सविनय अवज्ञा आंदोलन

इकाई - 2

5. गोलमेज सम्मेलन
6. पूना समझौता एवं श्वेत पत्र
7. प्रांतीय स्वायत्ता का क्रियान्वयन
8. राजनीतिक गतिरोध 1940-45

इकाई - 3

9. क्रांतिकारी आंदोलन द्वितीय चरण
10. भारतीय राजनीति में वामपंथी विचारधारा
11. कृषक एवं जनजातीय आंदोलन
12. श्रमिक आंदोलन

इकाई - 4

13. व्यक्तिगत सत्याग्रह
14. क्रिप्स मिशन
15. भारत छोड़ो आंदोलन
16. भारतीय राजनीति में गांधीजी का योगदान


इकाई - 5

17. भारत विभाजन की योजनाएं
18. केबिनेट मिशन एवं अंतरिम सरकार
19. सुभाष चंद्र बोस एवं आजाद हिन्द फौज
20. सांप्रदायिक राजनीति का विकास एवं भारत विभाजन

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संदर्भ ग्रंथ :

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|--------------------------|---|
| 1. बी.एल. ग्रोवर | — आधुनिक भारत का नवीन मूल्यांकन |
| 2. कौलेश्वर राय | — आधुनिक भारत |
| 3. सुमित सरकार | — आधुनिक भारत |
| 4. बिरकेश्वर प्रसाद सिंह | — भारतीय राष्ट्रीय आंदोलन एवं संवैधानिक विकास |
| 5. पुखराज जैन | — भारत का स्वतंत्रता संग्राम एवं राजनैतिक विकास |
| 6. डी.सी. गुप्ता | — भारत का राष्ट्रीय आंदोलन |
| 7. विपन श्रीवास्तव | — भारतीय स्वतंत्रता संग्राम का इतिहास |
| 8. योगेन्द्रा चंद्रा | — हिस्ट्री ऑफ़ फ्रीडम मूवमेंट इन इंडिया |
| 9. यशपाल एवं ग्रोवर | — आधुनिक भारत |
| 10. रामलखन शुक्ल | — आधुनिक भारत का इतिहास |





सत्र 2020-21 (जनवरी 2021 से प्रारंभ)
 एम.ए.अंतिम इतिहास चतुर्थ सेमेस्टर (M.A. Final.History, IV Sem.)
 प्रश्न पत्र (वैकल्पिक-02) (Paper Optional -02)
 भारत का सांस्कृतिक इतिहास (1526 से 1950 ई. तक)
 Cultural History of India (1526 A.D. to 1950 A.D.)
 (पेपर कोड-0385-II) (Paper Code-0385-II)

इकाई - 1

1. भारतीय संस्कृति में अकबर का योगदान
2. मुगलकालीन समाज
3. मुगलकालीन स्थापत्य
4. मुगलकालीन चित्रकला

इकाई - 2

5. मुगलकालीन संगीतकला
6. मुगलकालीन साहित्य
7. दक्षिण भारतीय सांस्कृतिक जीवन
8. दक्षिण भारत की कला एवं स्थापत्यकला

इकाई - 3

9. यूरोपियों के आगमन का आर्थिक प्रभाव
10. भारतीय संस्कृति पर पाश्चात्य प्रभाव
11. भारतीय संस्कृति में ईसाई मिशनरियों का योगदान
12. यूरोपीय प्राच्यवादियों का भारतीय संस्कृति में योगदान

इकाई - 4

13. राजा राममोहन राय एवं ब्रम्ह समाज
14. आर्य समाज तथा थियोसोफिकल सोसाइटी
15. रामकृष्ण मिशन एवं विवेकानंद
16. मुस्लिम समाज सुधार आंदोलन

इकाई - 5

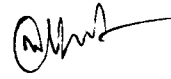
17. ब्रिटिश भारत में नारी की स्थिति - सामाजिक कुरीतियां
18. ब्रिटिश भारत में नारी सुधार के प्रयास
19. कंपनी शासन काल में शिक्षा का विकास 1857 तक
20. ब्रिटिश शासन काल में शिक्षा का विकास 1858 से 1947

Handwritten signatures and initials:
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 [Initials]

संदर्भ ग्रंथ :

1. ए.एल. श्रीवास्तव — सल्तनतकालीन भारत
2. हरिशचन्द्र वर्मा — मध्यकालीन भारत — भाग — 1 एवं 2
3. राजबली पांडे — सूफीज्म
4. पं. सुन्दर लाल शर्मा — भारत में अंग्रेजी राज
5. डाडवेल — कैम्ब्रिज हिस्ट्री ऑफ इंडिया
6. रोमिला थापर — आधुनिक भारत का इतिहास
7. बी.एन. लुणिया — मुगल साम्राज्य का उत्कर्ष
8. शिवशंकर शर्मा — भारतीय संस्कृति
9. बी.एन. लुणिया — भारतीय संस्कृति
10. पुरी, दास, चोपड़ा — भारत का सामाजिक, आर्थिक सांस्कृतिक इतिहास, खंड 2, 3।





सत्र 2020-21 (जनवरी 2021 से प्रारंभ)
 एम.ए.अंतिम इतिहास, चतुर्थ सेमेस्टर (M.A. Final.History, Fourth Semester)
 प्रश्न पत्र (वैकल्पिक -03) (Paper- Optional -03)
 भारत की केन्द्रीय तथा प्रांतीय शासन व्यवस्था
Central and Provincial Administrative System of India
 (पेपर कोड-0386-II A) (Paper Code-0386-II A)

इकाई- 1

1. लोकपाल
2. भाषाएं एवं राजभाषा आयोग
3. राष्ट्रीय अनुसूचित जाति एवं जनजाति आयोग
4. सूचना आयोग एवं सूचना का अधिकार

इकाई-2

5. राज्यपाल - नियुक्ति, शर्तें एवं शक्तियां
6. मुख्यमंत्री एवं मंत्रिपरिषद तथा उनके कार्य
7. विधान परिषद एवं विधान सभा
8. संघ राज्य क्षेत्र

इकाई-3

9. उच्च न्यायालय
10. अधीनस्थ न्यायालय
11. महाधिवक्ता
12. राज्य लोक सेवा आयोग

इकाई-4

13. नौकर शाही का विकास
14. पंचायती राज संस्थाएं
15. नगरीय स्वायत्त शासन व्यवस्था
16. शासन में दबाव समूह

इकाई -5

17. राज्य के मुख्य सचिव एवं उनकी प्रशासन में भूमिका
18. राज्य में कानून व्यवस्था एवं पुलिस प्रशासन
19. संभाग एवं संभागायुक्त, उनके कार्य तथा शक्तियां
20. जिला एवं जिला दंडाधिकारी, उनके कार्य तथा शक्तियां

अनुशंसित पुस्तकें :-

- डी.डी. बसु - भारत का संविधान एक परिचय
- हिर मोहन जैन - भारतीय शासन और राजनीति
- सुशीला कौशिक - भारतीय शासन और राजनीति
- R.C.Agrawal - Indian Political System
- A.G.Noorani - Constitutional Questions in India
- A.S.Narang - Indian Government and politics
- G.Austin - The Indian Constitution
- M.V.Paylee - An Introduction to the constitution of India.
- सुभाष कश्यप - हमारा संविधान

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सत्र 2020-21 (जनवरी 2021 से प्रारंभ)
एम.ए.अंतिम इतिहास, चतुर्थ सेमेस्टर (M.A. Final.History, Fourth- Semester)
प्रश्न पत्र (वैकल्पिक-04) (Paper Optional -04)
पर्यटन सिद्धान्त एवं व्यवहार इतिहास के संदर्भ में
Tourism Theory and Principles In Reference of History
(पेपर कोड-0387-II) (Paper Code-0387-II)

इकाई - 1

1. पर्यटन का इतिहास से संबंध
2. पर्यटन का संस्कृति से संबंध
3. पर्यटन विकास के कारक
4. पर्यटन और पर्यावरण

इकाई - 2

5. पर्यटन उद्योग एवं विपणन
6. विश्व के प्रसिद्ध प्राचीन धरोहर-मिश्र के पिरामिड ,चीन की दीवार
7. विश्व के प्रमुख धार्मिक पर्यटन केन्द्र-अंकोरवाट,बोरोबुदर ,जेरुसलम,मक्का मदीना
8. विश्व के प्राचीन शिक्षा केन्द्र-तक्षशिला ,नालंदा,एथेन्स

इकाई - 3

9. पर्यटन में राष्ट्रीय उद्यानों का महत्व
10. भारत में प्रमुख राष्ट्रीय उद्यान
11. उत्तर भारत के धार्मिक पर्यटन स्थल -कैदारनाथ,अमृतसर,बोधगया,माउंटआबू
12. दक्षिण भारत के धार्मिक पर्यटन स्थल -तिरुपति,मदुरै,,रामेश्वरम,कांचीपुरम

इकाई - 4

13. उत्तर भारत के प्रमुख ऐतिहासिक पर्यटन स्थल
14. दक्षिण भारत के प्रमुख ऐतिहासिक पर्यटन स्थल
15. पूर्वी भारत के प्रमुख ऐतिहासिक पर्यटन स्थल
16. पश्चिमी भारत के प्रमुख ऐतिहासिक पर्यटन स्थल

इकाई - 5

17. छत्तीसगढ़ के प्रमुख ऐतिहासिक पर्यटन स्थल
18. छत्तीसगढ़ के प्रमुख धार्मिक पर्यटन स्थल
19. छत्तीसगढ़ के प्रमुख प्राकृतिक पर्यटन स्थल
20. छत्तीसगढ़ में पर्यटन की सुविधाएं एवं समस्याएं

संदर्भ ग्रंथ :

1. जगमोहन नेगी - राष्ट्रीय संस्कृति, संपदा, सांस्कृतिक पर्यटन एवं पर्यावरण
2. रामआचार्य - टूरिज्म एंड कल्चरल हेरीटेज ऑफ इंडिया
3. ताज रावत - पर्यटन का प्रभाव एवं प्रबंधन
4. शिवाकांत बाजपेयी - सिरपुर - पुरातत्व एवं पर्यटन
5. पर्यटन विभाग - भारत शासन एवं छत्तीसगढ़ शासन द्वारा प्रकाशित सामग्री

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2020-21

ANNUAL SYSTEM [PAGE NO.- 1-26]

एम.ए.पूर्व (इतिहास)
वार्षिक पद्धति
सत्र –2020–21

नोट:— तीन अनिवार्य प्रश्न पत्रों के अतिरिक्त परीक्षार्थियों को कोई एक वैकल्पिक प्रश्न पत्र चयन करना होगा। प्रत्येक प्रश्न पत्र 100–100 अंकों के होंगे।

क्रम प्रश्न पत्र	प्रश्नपत्र का नाम	कोड संख्या	पूर्णांक
	अनिवार्य प्रश्नपत्र		
1. प्रश्न प्रश्नपत्र	इतिहास पद्धति एवं इतिहास लेखन	(0370)	100
2. द्वितीय प्रश्नपत्र	बीसवीं शताब्दी का विश्व	(0371)	100
3. तृतीय प्रश्नपत्र	छत्तीसगढ़ का इतिहास	(0372)	100
	वैकल्पिक प्रश्नपत्र		
4. चतुर्थ प्रश्नपत्र वैकल्पिक (अ)	वैकल्पिक (अ) ग्रेट ब्रिटेन का इतिहास (1875–1945)	(0373)	100
वैकल्पिक (स)	वैकल्पिक (स) चीन और जापान का इतिहास (1800–1950)	(0375)	100
वैकल्पिक (द)	वैकल्पिक (द) भारतीय इतिहास में नारी		100

टीप:— चतुर्थ प्रश्नपत्र वैकल्पिक (स) चीन और जापान का इतिहास (1800–1950) को इतिहास अध्ययन मंडल की बैठक दि.05.12.2019 के द्वारा सर्वसम्मति से विलोपित करने का निर्णय लिया गया है।

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एम.ए.पूर्व (इतिहास) वार्षिक पद्धति
सत्र - 2020-21
प्रथम प्रश्न पत्र (अनिवार्य)
इतिहास पद्धति एवं इतिहास लेखन
(पेपर कोड-0370)

इकाई-1

1. इतिहास का अर्थ, परिभाषा एवं विस्तार सामग्री संकलन तथा तथ्यों की व्याख्या
2. इतिहास में कार्य कारण संबंध
3. इतिहास में वस्तुनिष्ठता
4. इतिहास का अन्य विषयों से संबंध

इकाई-2

5. इतिहास के प्रमुख सिद्धान्त- चक्रवादी, तुलनात्मक, आधुनिकोत्तर
6. इतिहास के प्रमुख सिद्धान्त-ऐतिहासिक भौतिकवाद, समाजशास्त्रीय, सापेक्षवाद
7. इतिहास लेखन की परम्पराएं-ग्रीक-रोमन, चीनी, अरबी तथा पश्चिम
8. इतिहास लेखन की परम्पराएं- प्राचीन भारतीय, मध्यकालीन तथा आधुनिक

इकाई-3

9. इतिहास की धार्मिक व्याख्या
10. इतिहास की आदर्शवादी व्याख्या
11. इतिहास की राष्ट्रवादी व्याख्या
12. इतिहास की साम्राज्यवादी व्याख्या

इकाई-4

13. इतिहास की मार्क्सवादी व्याख्या
14. सबालर्टन अथवा जनवादी इतिहास
15. भारतीय इतिहास की विषयवस्तु -आर्थिक इतिहास
16. भारतीय इतिहास की विषयवस्तु- कृषक एवं श्रमिक इतिहास

इकाई-5

17. जातीय एवं जनजातीय इतिहास
18. सामाजिक - भारतीय -सांस्कृतिक इतिहास
19. विज्ञान एवं प्रौद्योगिकी इतिहास
20. भारतीय इतिहास लेखन में वामपंथी -दक्षिणपंथी वाद - विवाद

अनुशंसित ग्रन्थ सूची:-

1. E.H. Carr : What is History
2. R.G. Collingwood : The idea of History
3. S.P. Sen : History and Historiography in Modern India
4. R.C. Majumdar : Historiography in Modern India
9. राधेशरण : इतिहास चिन्तन, पद्धति एवं इतिहास लेखन
10. रामकुमार बेहार एवं ऋषिराज पांडे : इतिहास पद्धति एवं इतिहास लेखन
11. बी.के. श्रीवास्तव : इतिहास लेखन: अवधारण, विधाएं एवं साधन
12. के.एल. खुराना एवं डॉ. आर.के. बंसल : धारणाएं तथा पद्धतियां
13. झारखंड चौबे : इतिहास दर्शन
14. परमानन्द सिंह : इतिहास दर्शन
15. गोविन्द चन्द्र शर्मा : इतिहास स्वरूप एवं सिद्धान्त
16. मानिक लाल गुप्ता : इतिहास स्वरूप, अवधारणाएं एवं उपयोगिता





एम.ए.पूर्व (इतिहास) ,वार्षिक पद्धति 2020-21
द्वितीय प्रश्नपत्र (अनिवार्य)
बीसवीं शताब्दी का विश्व
(पेपर कोड-0371)

इकाई 1

1. पूंजीवाद एवं साम्राज्यवाद का विकास इंग्लैंड, फ्रांस, जर्मनी तथा जापान
2. उदारवाद एवं समाजवाद
3. पूर्वी समस्या (1900-1914)
4. कैसर विलियम की विश्व राजनीति

इकाई 2

5. प्रथम विश्वयुद्ध - कारण, घटनाएं, परिणाम
6. पेरिस शांति संधियां
7. रूसी क्रांति (1917)
8. राष्ट्रसंघ- उपलब्धियां एवं असफलताएं

इकाई 3

9. विश्व आर्थिक मंदी- न्यू डील
10. इटली में फासीवाद
11. जर्मनी में नाजीवाद
12. जापान में सैन्यवाद

इकाई 4

13. अरब राष्ट्रावाद
14. द्वितीय विश्वयुद्ध - कारण, घटनाएं, परिणाम
15. चीनी क्रांतियां (1911 से 1949 तक)
16. हिन्दचीन एवं हिन्देशिया में राष्ट्रीय आंदोलन

इकाई 5

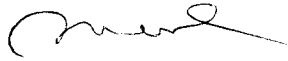
17. शीत युद्ध - संधियां, तनाव, शत्रुता तथा प्रभाव
18. गुटनिरपेक्ष आंदोलन तथा तृतीय विश्व
19. संयुक्त राष्ट्र संघ
20. अंतर्राष्ट्रीय समस्याएं - फिलिस्तीन, क्यूबा, कोरिया, विएतनाम

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अनुशासित ग्रन्थ सूचि :-

1. दीनानाथ वर्मा : आधुनिक विश्व का इतिहास
2. एम.एल. शर्मा: आधुनिक युरोप का इतिहास
3. विनाके : सुदूर पूर्व का इतिहास
4. के.एल. खुराना :विश्व का इतिहास
5. के.एल. खुराना : एशिया का आधुनिक इतिहास
6. H.G. Wells: History of the Modern World
7. B.V. Rap : History of World
8. D.G.E. Hall : South East Asia
9. देवेन्द्र सिंह चौहान : समकालीन यूरोप
10. इंदिरा अर्जुन देव: समकालीन विश्व





एम.ए.पूर्व (इतिहास), वार्षिक पद्धति 2020-21
तृतीय प्रश्न पत्र (अनिवार्य)
छत्तीसगढ़ का इतिहास (पेपर कोड-0372)

इकाई 1

1. छत्तीसगढ़ का परिचय, सीमाएं, नामकरण
2. प्राचीन काल में छत्तीसगढ़ — मौर्य, गुप्त, वाकाटक
3. क्षेत्रीय राजवंश — नलवंश, राजर्षितुल्य, शरभ पुरीय, पांडु वंशीय, छिंदकनाग वंश सोमवंशी
4. मध्यप्रदेश के कल्युरी

इकाई 2

5. छत्तीसगढ़ के कल्युरी
6. कल्युरी युगीन छत्तीसगढ़ की सामाजिक, आर्थिक, सांस्कृतिक दशा
7. छत्तीसगढ़ में भोंसले शासन
8. मराठा कालीन, छत्तीसगढ़ की सामाजिक, आर्थिक, सांस्कृतिक दशा

इकाई 3

9. छत्तीसगढ़ में ब्रिटिश शासन
10. ब्रिटिश कालीन छत्तीसगढ़ का सामाजिक, आर्थिक, सांस्कृतिक विकास
11. छत्तीसगढ़ की जमीदारियां एवं करद राज्य
12. 1857 का विप्लव (छत्तीसगढ़, उड़ीसा, सागर नर्मदा क्षेत्र, नागपुर)

इकाई 4

13. छत्तीसगढ़ में राजनीतिक जागरण 1920 तक
14. छत्तीसगढ़ में राष्ट्रीय आन्दोलन (1920-1947)
15. छत्तीसगढ़ में किसान, मजदूर, जनजातीय आन्दोलन
16. छत्तीसगढ़ की रियासतों का विलीनीकरण

इकाई 5

17. छत्तीसगढ़ में धार्मिक आस्थाएं — वैष्णव, शैव, शाक्त, जैन, कबीरपंथ, सतनाम पंथ, इस्लाम धर्म, इसाई धर्म
18. छत्तीसगढ़ की लोक सांस्कृति
19. स्वतंत्रोत्तर छत्तीसगढ़ का आर्थिक विकास
20. छत्तीसगढ़ राज्य के निर्माण की पृष्ठभूमि

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अनुशासित ग्रन्थ सूची :

1. प्यारे लाल गुप्त : प्राचीन छत्तीसगढ़ ,रविशंकर शुक्ल वि.वि. प्रकाशन
2. भगवान सिंह वर्मा : छत्तीसगढ़ का इतिहास
3. अशोक शुक्ला : छत्तीसगढ़ का राजनैतिक इतिहास एवं राष्ट्रीय आन्दोलन
4. शांता शुक्ला : छत्तीसगढ़ का सामाजिक एवं आर्थिक इतिहास
5. पी.एल. मिश्रा : मराठा कालीन छत्तीसगढ़
6. पी.एल. मिश्रा : दक्षिण कोशल का प्राचीन इतिहास
7. एल.एस. निमम : दक्षिण कोशल का प्राचीन प्रकरण
8. बी.बी. मिराशी : कल्युरी नरेश और उनका काल
9. जे. आर. वर्ल्यानी एवं वासुदेव साहसी : छत्तीसगढ़ का राजनीतिक एवं सांस्कृतिक इतिहास —प्रारंभ से 1947 तक
10. मदनलाल गुप्ता : छत्तीसगढ़ दिग्दर्शन
11. डी.पी. मिश्र : मध्यप्रदेश में स्वाधीनता आन्दोलन का इतिहास
12. के.के. अग्रवाल : बीसवीं शताब्दी का छत्तीसगढ़
13. ऋषिराज पाण्डेय : छत्तीसगढ़ : दक्षिण कोशल के कल्युरी
14. M.A. Khan: History of British Administrative System in India
15. R.M. Sinha : Bhoslas of Nagpur : The Last Phase
16. Sabeeha Yasmin Khan : Civil Disobedience Movement in Chhattisgarh
- 17.. रीता पांडेय : बिलासपुर जिले की भूराजस्व व्यवस्था 1861—1947
18. राधेश्याम पटेल: छत्तीसगढ़ में कबीर पंथ
19. डॉ.डिश्वर नाथ खुटे : बस्तर की राजनीतिक एवं प्रशासनिक व्यवस्था (1854 -1947)
20. प्रो.आभा रूपेन्द्र पाल एवं डॉ.डिश्वर नाथ खुटे : बस्तर की राजनीतिक ,सामाजिक एवं आर्थिक इतिहास

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एम.ए.पूर्व इतिहास , वार्षिक पद्धति 2020-21
चतुर्थ प्रश्न पत्र (वैकल्पिक- अ)
ग्रेट ब्रिटेन का इतिहास (1875-1945)
(पेपर कोड -0373)

इकाई 1

1. 1815 से 1822 तक की आंतरिक समस्यायें
2. केसलरे और केनिंग की विदेश नीति
3. 1822 से 1830 तक इंग्लैंड की आंतरिक स्थिति
4. 1822 का सुधार अधिनियम

इकाई 2

5. ब्रिटेन में उदारवाद का उदय और विकास
6. चार्टिस्ट आंदोलन
7. ग्रेट ब्रिटेन की विदेश नीति (1830 से 1841)
8. सर राबर्ट पील

इकाई 3

9. ग्रेट ब्रिटेन और पूर्वी समस्या (1828 से 1856)
10. पामस्टर्न युग
11. नवीन टोरीवाद
12. 1867 एवं 1885 के संसदीय सुधार

इकाई 4

13. ग्लेड स्टोन
14. बेंजामिन डिजरायली
15. चेम्बरलेन का साम्राज्यवाद
16. ग्रेट ब्रिटेन की वैदेशिक नीति (1902-1914)

इकाई 5

17. ग्रेट ब्रिटेन और प्रथम विश्वयुद्ध
18. ग्रेट ब्रिटेन की गृह नीति (1919-1939)
19. ग्रेट ब्रिटेन की वैदेशिक नीति (1919-1939)
20. ग्रेट ब्रिटेन और द्वितीय विश्वयुद्ध

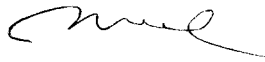
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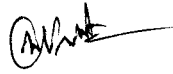
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अनुशंसित ग्रंथ सूची

1. J.A.R. Marriott : England since Waterloo
2. J.A.R. Marriott : Modern England
3. G.M. Trevelyan : Social History of England
4. Ramsay Muir : History of British Common Wealth (Vol. 2)
5. G.M. Trevelyan : England in the nineteenth century & after
7. एल.पी. शर्मा : इंग्लैण्ड का इतिहास
8. विद्याधर महाजन : इंग्लैण्ड का इतिहास





एम.ए.पूर्व इतिहास , वार्षिक पद्धति 2020-21
चतुर्थ प्रश्न पत्र (वैकल्पिक-द)
भारतीय इतिहास में नारी

इकाई 1

1. नारी अध्ययन की विचारधारा उदारवादी, समाजवादी, मार्क्सवादी, मनोवैज्ञानिक
2. नारी अध्ययन के स्रोत — ऐतिहासिक स्रोत
3. नारी अध्ययन गैर अभिलेखागारीय स्रोत
4. नारीअध्ययन का महत्व एवं उपयोगिता

इकाई 2

5. नारी स्थिति वैदिक युग से राजपूत काल
6. बौद्ध एवं जैन धर्म में महिलाओं की स्थिति
7. इस्लाम एवं सिक्ख धर्म में महिलाओं की स्थिति
8. भक्ति आंदोलन और महिलाएं

इकाई 3

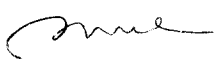
9. प्राचीन काल में महिला शिक्षा
10. मध्यकालीन भारत में महिला शिक्षा
11. औपनिवेश काल में महिला शिक्षा
12. स्वतंत्रतोर भारत में महिला शिक्षा

इकाई 4

13. मध्यकालीन राजनीति एवं महिलाएं
14. 19वीं. एवं 20वीं शताब्दी के नारी संगठन
15. भारतीय स्वतंत्रता आंदोलन और महिलाएं
16. स्वतंत्रता के पश्चात् राजनीति और महिलाएं

इकाई 5

17. स्वतंत्रोत्तर शहर में महिलाओं की वैधानिक स्थिति
18. महिलाएं — कला, साहित्य, खेलकूद के क्षेत्र में
19. कामकाजी महिलाएं — स्वावलंबन एवं सशक्तिकरण
20. महिलाओं के प्रति हिंसा व अपराध तथा संवैधानिक प्रावधान







संदर्भ ग्रंथ:—

1. कमलेश्वर प्रसाद — भारत का इतिहास 1,2,3
2. सुगम आनंद — भारतीय इतिहास में नारी
3. के.सी. श्रीवास्तव — प्राचीन भारत का इतिहास तथा संस्कृति
4. विपिन चंद्र — आजादी के बाद का भारत
5. रामधारी सिंह दिनकर — संस्कृति के चार अध्याय
6. पुरी, दास एवं चोपड़ा — भारत का सामाजिक, आर्थिक, सांस्कृतिक इतिहास
7. प्रताप सिंह — आधुनिक भारत का सामाजिक, आर्थिक, इतिहास
8. दिनेशचंद्र भारद्वाज — मध्यकालीन संस्कृति
9. ए. एल. श्रीवास्तव — मध्यकालीन संस्कृति
10. नीतू केंग — इंडियन वीमेन एक्टिविटीस
11. सी.एन. मंगल एवं यशोदा भट्ट — बीयांड द थ्रेस होल्ड इंडियन वीमेन आन द मुव्ह
12. कौरोलिय एम बायर्ली और कारेन रास — महिलायें और संचार माध्यम

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एम.ए.अंतिम इतिहास
वार्षिक पद्धति
सत्र : 2020-21

नोट:- एम.ए. (अंतिम) में निम्नलिखित खण्ड ब, एवं स, में से कोई दो प्रश्न पत्र छात्रों को चयनित करना होगा तथा नीचे दिए गए तीन वैकल्पिक प्रश्नपत्रों में से परीक्षार्थियों को कोई भी दो वैकल्पिक प्रश्नपत्रों का चयन करना होगा। प्रत्येक प्रश्नपत्र 100-100 अंकों के होंगे।

क्रम प्रश्न पत्र	प्रश्नपत्र का नाम	कोड संख्या	पूर्णांक
	खण्ड "ब" मध्यकालीन भारत		
1. प्रश्न प्रश्नपत्र	मध्यकालीन भारतीय राजनय एवं अर्थव्यवस्था (1200 से 1750 ई तक)	(0380)	100
2. द्वितीय प्रश्नपत्र	मध्यकालीन समाज एवं संस्कृति (1200 से 1750 ई. तक)	(0381)	100
	खण्ड "स" आधुनिक भारत		
1. प्रश्न प्रश्नपत्र	आधुनिक भारत (1757ई. से 1857ई. तक)	(0382)	100
2. द्वितीय प्रश्नपत्र	आधुनिक भारत (1857ई. से 1964ई. तक)	(0383)	100
	वैकल्पिक प्रश्नपत्र		
1. वैकल्पिक प्रश्नपत्र	भारतीय राष्ट्रीय आन्दोलन का इतिहास (1882 ई. से 1947 ई. तक)	(0384)	100
2. वैकल्पिक प्रश्नपत्र	भारत का सांस्कृतिक इतिहास – प्रारंभ से 1950 ई. तक	(0385)	100
3.. वैकल्पिक प्रश्नपत्र	पर्यटन सिद्धांत एवं व्यवहार (इतिहास से संदर्भ तक)		100

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एम.ए.अंतिम इतिहास, वार्षिक पद्धति 2020-21

(खंड-ब) मध्यकालीन भारत

प्रथम प्रश्न पत्र

मध्यकालीन भारतीय राजनय एवं अर्थव्यवस्था (1200 से 1750 ई.)

(पेपर कोड-0380)

इकाई-1

1. सल्तनत कालीन इतिहास के स्रोत
2. मुगल कालीन इतिहास के स्रोत
3. मध्यकालीन स्थापत्य व शिल्पकला
4. मराठा इतिहास के स्रोत

इकाई-2

5. सल्तनत कालीन राजनय का स्वरूप — सिद्धांत, दबाव समूह तथा क्षेत्रीय विशेषताएं
6. मुगल कालीन राजनय — दैवीय अधिकार सिद्धांत
7. केन्द्रीय प्रशासन — सल्तनत कालीन, मुगलकालीन
8. प्रांतीय व्यवस्था — इक्ता, अमरम, मनसब व जागीर

इकाई-3

9. सल्तनत में सुल्तान एवं अमीरों के बीच संघर्ष
10. सल्तनत कालीन क्षेत्रीय राज्य
11. मुगलकालीन दरबारी राजनीति, संघर्ष, दख्खन के मुस्लिम राज्यों का प्रतिरोध
12. मराठा राज्य की स्थापना एवं विकास

इकाई-4

13. कृषि अर्थव्यवस्था एवं भूराजस्व व्यवस्था
14. शिल्प व उद्योग
15. आंतरिक व्यापार
16. विदेशी व्यापार

इकाई-5

17. नगरों का उदय — जनानिकी परिवर्तन, नगरीय प्रशासन
18. मध्यकालीन मुद्राएं एवं बैंकिंग
19. नए व्यापारिक वर्गों का उदय
20. कृषि एवं उद्योग में तकनीकी परिवर्तन

संदर्भ ग्रंथ—

1. सल्तनतकालीन भारत — ए.एल. श्रीवास्तव
2. मध्यकालीन भारत — एल.पी. शर्मा
3. मध्यकालीन भारत (भाग एक) — हरिशचंद्र वर्मा
4. मध्यकालीन भारत (भाग दो) — हरिशचंद्र वर्मा
5. मध्यकालीन संस्कृति — ए.एल. श्रीवास्तव
6. संस्कृति के चार अध्याय — रामधारी सिंह दिनकर
7. सुफीज्म — राजबली पांडे
8. मध्यकालीन भारतीय इतिहास — बी.के. पंजाबी
9. भारत का समाजिक, आर्थिक, मारकत्व संस्कृतिक इतिहास (भाग-2) — पुरी, दास, चोपड़ा
10. मध्यकालीन इतिहासकार — हेरम्ब चतुर्वेदी

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एम.ए.अंतिम इतिहास, वार्षिक पद्धति 2020-21
(खंड-ब) द्वितीय प्रश्न पत्र
मध्यकालीन समाज एवं संस्कृति (1200-1750 ई. तक)
(पेपर कोड-0381)

इकाई-1

1. मध्यकालीन ग्रामीण समाज- संगठन एवं परिवर्तन
2. मध्यकालीन नगरीय समाज - नए सामाजिक वर्गों का अंतरांप्रादायिक संबंध
3. स्त्रियों की दशा
4. मध्यकालीन सामाजिक जीवन

इकाई-2

6. भक्ति आंदोलन- निर्गुणवादी सम्प्रदाय कबीर व नानक
7. भक्ति आंदोलन - सगुणवादी कृष्ण भक्ति तथा राम भक्ति तथा राम भक्ति शाखाएं
8. भक्ति आंदोलन की क्षेत्रीय विशेषताएं
9. सूफीवाद सिद्धांत व व्यवहार, सूफी सिलसिले

इकाई-3

9. सल्तनकालीन स्थापत्य
10. मुगलकालीन स्थापत्य
11. क्षेत्रीय स्थापत्य - विजय नागर, बहमनी, जौनपुर, गुजरात, मालवा, राजपुताना
12. मध्यकाल में चित्रकला, संगीत व नृत्य

इकाई-4

13. फारसी भाषा एवं साहित्य
14. हिन्दी साहित्य का विकास
15. संस्कृत साहित्य का विकास
16. क्षेत्रीय साहित्य का विकास

इकाई-5

17. मध्यकालीन भारतीय समाज में शासक वर्गों की भूमिका
18. धार्मिक एवं साम्प्रदायिक समुदायों का प्रादुर्भाव
19. भारतीय सभ्यता पर इस्लामिक प्रभाव
20. समन्वयवादी संस्कृति का विकास

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संदर्भ ग्रंथ –

1. सल्तनतकालीन भारत— ए.एल. श्रीवास्तव
2. मध्यकालीन भारत— एल.पी. शर्मा
3. मध्यकालीन भारत (भाग एक) — हरिशचन्द्र वर्मा
4. मध्यकालीन भारत (खंड दो) — हरिशचन्द्र वर्मा
5. मध्यकालीन संस्कृति — ए.एल. श्रीवास्तव
6. संस्कृति के चार अध्याय — रामधारी सिंह दिनकर
7. सुफीज्ज — राजबली पांडे
8. मध्यकालीन भारतीय इतिहास — बी.के. पंजाबी
9. भारत का सामाजिक, आर्थिक, सांस्कृतिक इतिहास (भाग-2) — पुरी, दास, चोपड़ा

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एम.ए.अंतिम इतिहास, वार्षिक पद्धति 2020-21
(खंड-स) आधुनिक भारत
प्रथम प्रश्न पत्र
आधुनिक भारत (1757 ई. से 1857 ई.)
(पेपर कोड-0832)

इकाई-1

1. आधुनिक भारतीय इतिहास के स्रोत
2. आधुनिक भारतीय इतिहास लेखन की विभिन्न विचार धाराएँ
3. पूर्व उपनिवेशवादी भारत की राजनीतिक एवं आर्थिक व्यवस्था
4. पूर्व उपनिवेशवादी भारत की सामाजिक एवं सांस्कृतिक व्यवस्था

इकाई-2

5. भारत में यूरोपियों का आगमन
6. यूरोपिय वाणिज्यवाद की विचार धाराएं एवं कार्यक्रम – ब्रिटिश ईस्ट इंडिया कंपनी के संदर्भ
7. कंपनी के अधीन ब्रिटिश साम्राज्य का विस्तार – नीतियां
8. कंपनी के अधीन ब्रिटिश साम्राज्य का विस्तार – युद्ध व कूटनीति

इकाई-3

9. प्रशासनिक विचार धाराएं – प्राच्यवादी, आंग्लवादी, उपयोगितावादी
10. कंपनी के अधीन प्रशासकीय व्यवस्था तथा संवैधानिक विकास
11. प्रशासन के अंतर्गत लोकसेवा, न्याय व्यवस्था एवं पुलिस
12. शैक्षिक विकास (कम्पनी शासन के अंतर्गत)

इकाई-4

13. सामाजिक पुर्नजागरण व परिस्थितियां
14. समन्वयवादी समाज सुधार आंदोलन बंगाल एवं महाराष्ट्र के संदर्भ में
15. प्रतिक्रियावाद – बहावी आंदोलन
16. उपनिवेशवाद का प्रतिरोध – जनजातीय एवं कृषक आंदोलन कृषि एवं भूराजस्व व्यवस्था

इकाई-5

17. 1857 के पूर्व भारत की ग्रामीण अर्थ व्यवस्था में परिवर्तन
18. नगरी अर्थव्यवस्था – हस्तशिल्प उद्योगों की स्थिति
19. 1857 का विद्रोह – विचार धाराएं, कार्यक्रम, नेतृत्व एवं ब्रिटिश प्रतिक्रिया
20. आंतरिक एवं विदेशी व्यापार में परिवर्तन

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संदर्भ ग्रंथ —

1. ब्रिटीश भारत का आर्थिक इतिहास — रमेश चंद्रदत्त
2. आधुनिक भारत— एल.पी. शर्मा
3. भारत में अंगेजीराज— पं. सुन्दरलाल
4. भारतीय स्वतंत्रता का इतिहास (1857-1947) — विपिन चंद्र
5. भारतीय राष्ट्रवाद की सामाजिक पृष्ठभूमि — ए.आर. देसाई
6. इंडिया टुडे — रजनी पाम दत्त
7. इंडियन सोसायटी इन दी एट्टीन सेंचुरी — बी.पी. रघुवंशी
8. आधुनिक भारत का इतिहास एवं नवीन मूल्यांकन (1707–1968)— बी.एल. ग्रोवर एवं यशपाल
9. मेकिंग ऑफ माडर्न इंडिया —एस.आर. शर्मा
10. आधुनिक भारत — सुमित सरकार
11. भारत का राष्ट्रीय आंदोलन एवं संवैधानिक विकास — एस.एल. नागोरी
12. आधुनिक भारत का इतिहास — एम.एस. जैन
13. आधुनिक भारत, 3 खंड — प्रतापसिंह
14. आधुनिक भारत का सामाजिक, आर्थिक इतिहास — प्रतापसिंह
15. सोसल एंड इकानॉमिक हिस्ट्री ऑफ माडर्न इंडिया — एस.पी. नायर
16. आधुनिक भारत का आर्थिक इतिहास— एग्नेश ठाकुर

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संदर्भ ग्रंथ —

1. ब्रिटीश भारत का आर्थिक इतिहास — रमेश चंद्रदत्त
2. आधुनिक भारत— एल.पी. शर्मा
3. भारत में अंगेजीराज— पं. सुन्दरलाल
4. भारतीय स्वतंत्रता का इतिहास (1857-1947) — विपिन चंद्र
5. भारतीय राष्ट्रवाद की सामाजिक पृष्ठभूमि — ए.आर. देसाई
6. इंडिया टुडे — रजनी पाम दत्त
7. इंडियन सोसायटी इन दी एट्टीन सेंचुरी — बी.पी. रघुवंशी
8. आधुनिक भारत का इतिहास एवं नवीन मूल्यांकन (1707-1968)— बी.एल. ग्रोवर एवं यशपाल
9. मेकिंग ऑफ माडर्न इंडिया —एस.आर. शर्मा
10. आधुनिक भारत — सुमित सरकार
11. भारत का राष्ट्रीय आंदोलन एवं संवैधानिक विकास — एस.एल. नागोरी
12. आधुनिक भारत का इतिहास — एम.एस. जैन
13. आधुनिक भारत, 3 खंड — प्रतापसिंह
14. आधुनिक भारत का सामाजिक, आर्थिक इतिहास — प्रतापसिंह
15. सोसल एंड इकानॉमिक हिस्ट्री ऑफ माडर्न इंडिया — एस.पी. नायर
16. आधुनिक भारत का आर्थिक इतिहास— एगनेश ठाकुर
17. सीमा पाल —भारतीय संस्कृति एवं ब्रिटिश उपनिवेशवाद

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एम.ए.अंतिम इतिहास, वार्षिक पद्धति 2020-21
(खंड-स) द्वितीय प्रश्न पत्र
आधुनिक भारत (1858-1964 ई.)
(पेपर कोड-0383)

इकाई-1

1. प्रशासनिक परिवर्तन – संवैधानिक सुधारों के संदर्भ में
2. प्रशासनिक ढांचा – लोकसेवा, न्याय व्यवस्था तथा पुलिस सेवा के संदर्भ में
3. देशी रियासतों के साथ संबंध – नीतिगत विस्तार
4. पड़ोसी राज्यों से संबंध – नीतियां एवं कार्यक्रम – अफगानिस्तान, नेपाल, फारस, तथा वर्मा के संदर्भ

इकाई-2

5. आर्य समाज व थियोसोफिकल सोसायटी, प्रार्थना समाज, रामकृष्ण मिशन
6. भारतीय मुसलमानों का ब्रिटिश राज के साथ सहयोग अलीगढ़ आंदोलन
7. ब्रिटिश शासन काल में नारी उत्थान के प्रयास
8. आधुनिक शिक्षा का विकास

इकाई-3

9. यातायात एवं संचार के साधनों में विकास
10. आधुनिक उद्योगों का विकास
11. भारतीय कृषि का वाणिज्यीकरण
12. भारत से धन निर्गमन

इकाई-4

13. भारतीय राष्ट्रवाद का उदय – अवधारणाएं एवं गतिविधियां
14. 1919 तक संगठित राष्ट्रवाद की प्रवृत्तियां
15. कृषक, श्रमिक एवं क्रांतिकारी आंदोलन
16. गांधीवादी आंदोलन – विचारधारा, स्वरूप, कार्यक्रम

इकाई-5

17. भारतीय रियासतों का विलयीकरण
18. नियोजित अर्थ व्यवस्था – पंचवर्षीय योजनाएं
19. भूमिसुधार, स्वास्थ्य एवं तकनीकी विकास
20. भारत की विदेश नीति – गुट निरपेक्ष



संदर्भ ग्रंथ—

1. ब्रिटिश भारत का आर्थिक इतिहास — रमेश चंद्रदत्त
2. आधुनिक भारत का इतिहास (एक नवीन मूल्यांकन) (1707 से 1964 तक) — बी.एल. गोवर तथा यशपाल
3. आधुनिक भारत — एल.पी. शर्मा
4. मेकिंग ऑफ माडर्न इंडिया — एस.आर. शर्मा
5. द सेंट्रल एडमिनिस्ट्रेशन इस्ट इंडिया कंपनी — बी.बी. मिश्रा
6. भारत में अंग्रेजीराज — पं. सुन्दरलाल
7. इकानोमिक हिस्ट्री ऑफ इंडिया — आर.सी. दत्त
8. भारतीय राष्ट्रवाद की सामाजिक पृष्ठभूमि — ए.आर. देसाई
9. भारतीय स्वतंत्रता संग्राम का इतिहास (1857-1947) — विपिन चंद्र
10. आजादी के बाद का भारत (1947-2000) — विपिन चंद्र
11. सोसल कल्चरल एंड इकानोमिक हिस्ट्री ऑफ इंडिया— एच. राय चौधरी
12. कैम्ब्रिज हिस्ट्री ऑफ इंडिया
13. कैम्ब्रिज इकानोमिकल हिस्ट्री ऑफ इंडिया
14. भारत का सामाजिक, सांस्कृतिक एवं आर्थिक इतिहास (खंड-3) —पुरी, दास, चोपड़ा
15. आधुनिक भारत — सुमित सरकार
16. आधुनिक भारत का इतिहास — एम.एस. जैन
17. आधुनिक भारत का सामाजिक, आर्थिक इतिहास — प्रतापसिंह
18. आधुनिक भारत, 3 खंड — प्रतापसिंह
19. सोसल एंड इकानॉमिक हिस्ट्री ऑफ माडर्न इंडिया — एस.पी. नायडू
20. फ्रीडम स्ट्रगल — कमलेश्वर राय

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संदर्भ ग्रंथ—

1. ब्रिटिश भारत का आर्थिक इतिहास — रमेश चंद्रदत्त
2. आधुनिक भारत का इतिहास (एक नवीन मूल्यांकन) (1707 से 1964 तक) — बी.एल. गोवर तथा यशपाल
3. आधुनिक भारत — एल.पी. शर्मा
4. मेकिंग ऑफ माडर्न इंडिया — एस.आर. शर्मा
5. द सेंट्रल एडमिनिस्ट्रेशन इस्ट इंडिया कंपनी — बी.बी. मिश्रा
6. भारत में अंग्रेजीराज — पं. सुन्दरलाल
7. इकानोमिक हिस्ट्री ऑफ इंडिया — आर.सी. दत्त
8. भारतीय राष्ट्रवाद की सामाजिक पृष्ठभूमि — ए.आर. देसाई
9. भारतीय स्वतंत्रता संग्राम का इतिहास (1857-1947) — विपिन चंद्र
10. आजादी के बाद का भारत (1947-2000) — विपिन चंद्र
11. सोसल कल्चरल एंड इकानोमिक हिस्ट्री ऑफ इंडिया— एच. राय चौधरी
12. कैम्ब्रिज हिस्ट्री ऑफ इंडिया
13. कैम्ब्रिज इकानोमिकल हिस्ट्री ऑफ इंडिया
14. भारत का सामाजिक, सांस्कृतिक एवं आर्थिक इतिहास (खंड-3) —पुरी, दास, चोपड़ा
15. आधुनिक भारत — सुमित सरकार
16. आधुनिक भारत का इतिहास — एम.एस. जैन
17. आधुनिक भारत का सामाजिक, आर्थिक इतिहास — प्रतापसिंह
18. आधुनिक भारत, 3 खंड — प्रतापसिंह
19. सोसल एंड इकानॉमिक हिस्ट्री ऑफ माडर्न इंडिया — एस.पी. नायडू
20. फ्रीडम स्ट्रगल — कमलेश्वर राय
21. डॉ.सीमा पाल— भारतीय संस्कृति और ब्रिटिश उपनिवेशवाद

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एम.ए.अंतिम इतिहास, वार्षिक पद्धति 2020-21
वैकल्पिक -1
भारतीय राष्ट्रीय आंदोलन का इतिहास (1885-1947 ई.)
(पेपर कोड-0384)

इकाई -1

1. भारतीय राष्ट्रवाद की वैचारिक पृष्ठभूमि
2. कांग्रेस के पूर्व राजनीतिक संगठन
3. भारतीय राष्ट्रीय कांग्रेस की स्थापना, स्थापना से संबंधित विभिन्न विचारधाराएं
4. कांग्रेस में उदारवाद - उग्रवाद संघर्ष

इकाई -2

5. स्वदेशी आंदोलन
6. क्रांतिकारी आंदोलन - प्रथम चरण - बंगाल, महाराष्ट्र, पंजाब
7. होमरूल आंदोलन
8. क्रांतिकारी आंदोलन - द्वितीय चरण - हिन्दुस्तान रिपब्लिक आर्मी, संयुक्त प्रांत एवं बंगाल

इकाई -3

9. गांधीवादी आंदोलन - असहायोग आंदोलन
10. गांधीवादी आंदोलन - सविनय अवज्ञा आंदोलन
11. गांधीवादी आंदोलन - व्यक्तिगत सत्याग्रह
12. गांधीवादी आंदोलन - भारत छोड़ो आंदोलन

इकाई -4

13. भारतीय राजनीति में वामपंथी विचारधारा
14. भारतीय राजनीति में साम्प्रदायवाद
15. कृषक, श्रमिक एवं जनजातीय आंदोलन
16. रियासतों में स्वाधीनता आंदोलन

इकाई -5

17. प्रांतीय स्वायत्तता का क्रियान्वयन
18. राजनीतिक गतिरोध - 1940-45
19. सुभाष चंद्र बोस एवं आजाद हिन्द फौज
20. अंतरिम सरकार से स्वाधीनता आंदोलन तक

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संदर्भ ग्रंथ—

1. ब्रिटिश भारत का आर्थिक इतिहास— आर.सी. दत्त
2. आधुनिक भारत का नवीन मूल्यांकन — बी.एल. ग्रोवर
3. आधुनिक भारत — एल.पी. शर्मा
4. इंडियन नेशनल मूवमेन्ट एंड द लिबरन — आभा सक्सेना
5. आधुनिक भारत — विपिन चंद्रा
6. आजादी के बाद का राज — पं. सुन्दरलाल
8. भारतीय स्वतंत्रता संग्राम का इतिहास — विपिन चंद्र
9. फ्रीडम स्ट्रगल — कमलेश्वर राय
10. आधुनिक भारत — सुमित सरकार
11. भारतीय स्वाधीनता आंदोलन का इतिहास — ताराचंद
12. भारतीय राष्ट्रियता का विकास — बी. एन. लूनिया

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एम.ए.अंतिम इतिहास, वार्षिक पद्धति 2020-21
वैकल्पिक-2
भारत का सांस्कृतिक इतिहास-प्रारंभ से 1950 ई.तक
(पेपर कोड-0385)

इकाई-1

1. हड़प्पा कालीन संस्कृति
2. वैदिक कालीन संस्कृति
3. मौर्यकालीन संस्कृति
4. भारतीय संस्कृति में अशोक का योगदान

इकाई-2

5. भारतीय संस्कृति पर यूनानी, शक, कुषाण प्रभाव
6. गुप्तकालीन संस्कृति
7. राजपूत कालीन संस्कृति
8. पूर्व मध्यकालीन संस्कृति एवं ब्राम्हणवाद

इकाई-3

9. इण्डो-इस्लामिक संस्कृति
10. भक्ति- आंदोलन
11. सूफीवाद
12. भारतीय संस्कृति में अकबर का योगदान

इकाई-4

13. यूरोपियों का भारत आगमन एवं भारतीय संस्कृति पर उनका प्रभाव
14. भारतीय संस्कृति एवं मिशनरियों का योगदान
15. भारतीय संस्कृति पर पश्चात्य प्रभाव
16. भारतीय संस्कृति के विकास में प्राच्यवाद की भूमिका

इकाई-5

17. राजाराम मोहनराय एवं समन्वयवादी आंदोलन
18. आर्य समाज एवं थियोसोफिकल सोसायटी
19. मुस्लिम समाज सुधार एवं भारतीय संस्कृति
20. भारतीय संस्कृति एवं गांधीजी

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संदर्भ ग्रंथ—

1. सिंधु सभ्यता — जयनारायण पांडे
2. प्राचीन भारत का इतिहास तथा संस्कृति — डॉ.के.सी. श्रीवास्तव
3. भारत का प्राचिन इतिहास — डॉ. कमलेश्वर प्रसाद
4. मध्यकालीन भारत (खंड-1 व खंड-2) — हरिश्चंद्र वर्मा
5. सल्तनत कालीन भारत — डॉ. ए.एल. श्रीवास्तव
6. आधुनिक भारत का इतिहास — एक नवीन मूल्यांकन — गोवर एवं यशपाल
7. आधुनिक भारत — विपिन चंद्र
8. संस्कृति के चार अध्याय — रामधारी सिंह दिनकर
9. आधुनिक भारत — एल.पी. शर्मा
10. अद्भुत भारत — ए.एल. बाशम
11. भारत का सामाजिक, सांस्कृतिक एवं आर्थिक इतिहास — पुरी, दास, चोपड़ा
12. मध्यकालीन संस्कृति — आशीर्वादी लाल श्रीवास्तव
13. दिल्ली सल्तनत — आर.पी. त्रिपाठी
14. भारतीय संस्कृति का विकास — बी.एन. लूनिया
15. भारतीय सभ्यता एवं संस्कृति — बी.एन. लूनिया

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एम.ए.अंतिम इतिहास ,वार्षिक पद्धति 2020-21
वैकल्पिक-3
पर्यटन सिद्धांत एवं व्यवहार, इतिहास के संदर्भ में

इकाई-1

1. पर्यटन का अर्थ, परिभाषा, उद्देश्य एवं महत्व
2. पर्यटन सिद्धांत एवं व्यवहार
3. भारतीय पर्यटन संगठन केन्द्रीय
4. प्रांतीय पर्यटन संगठन एवं विभाग

इकाई-2

5. ट्रेवल एजेंसी-गठन, कार्य
6. पर्यटन एवं यातायात
7. पर्यटन एवं आवास तथा होटल उद्योग
8. अंतराष्ट्रीय पर्यटन, पासपोर्ट, वीसा, सुविधाएं एवं समस्याएं

इकाई-3

9. पर्यटन एवं कला, संस्कृति, मेले, त्योहार एवं हस्तकला, उद्योग
10. पर्यटन का इतिहास से संबंध
11. पर्यटन उद्योग, विपणन एवं पर्यटन
12. पर्यटन विकास के कारक

इकाई-4

13. पर्यटन में राष्ट्रीय उद्यानों का महत्व एवं भारत के प्रमुख राष्ट्रीय उद्यानो
14. छत्तीसगढ़ के प्रमुख राष्ट्रीय उद्यान एवं अभ्यारण
15. उत्तर, एवं दक्षिण भारत में प्रमुख ऐतिहासिक, प्राकृतिक एवं धार्मिक पर्यटन स्थल
16. पूर्व एवं पश्चिम भारत के प्रमुख ऐतिहासिक प्राकृतिक एवं धार्मिक पर्यटन स्थल

इकाई -5

17. छत्तीसगढ़ के प्रमुख ऐतिहासिक पर्यटन स्थल
18. छत्तीसगढ़ के प्रमुख धार्मिक पर्यटन स्थल
19. छत्तीसगढ़ के प्रमुख प्राकृतिक पर्यटन स्थल
20. छत्तीसगढ़ में पर्यटन की सुविधाएं एवं समस्याएँ।

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संदर्भ ग्रंथ –

1. जगमोहन नेगी – राष्ट्रीय संस्कृति, संपदा सांस्कृतिक एवं पर्यटन
2. रामआचर्य – टूरिज्म एवं क्लचर हेरीटेज आफ इंडिया
3. ताज रावत – पर्यटन का प्रभाव एवं प्रबंधक
4. शिवाकांत वाजपेयी – सिरपुर पुरातत्व एवं पर्यटन
5. पर्यटन विभाग – भारत शासन एवं छत्तीसगढ़ शासन द्वारा प्रकाशित सामग्री

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पाठ्यक्रम
एम.फिल.इतिहास
सत्र-2020-21

प्रश्न पत्र Paper	प्रश्न पत्र का नाम Name of Paper	अंकों का विभाजन Allotment of Marks
प्रथम I	शोध प्रविधि Research Methodology	100
द्वितीय II	इतिहास दर्शन तथा लेखन Philosophy of History and Historiography	100
तृतीय III	भारतीय इतिहास के स्रोत Sources of Indian History	100
योग (Total)		300
चतुर्थ IV	सेमीनार Seminar (Best out of two)	50
पंचम V	लघु शोध प्रबंध लेखन Dissertation (i) (Seminar based on dissertation) - (50) (ii) Dissertation (Script) - (200) including Viva-Voce	250
योग (Total)		300
सकल योग (Grand Total)		600

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पाठ्यक्रम
एम.फिल इतिहास
प्रथम प्रश्न पत्र— शोध प्रविधि
सत्र 2020-21

इकाई — 1

1. शोध का अर्थ, उद्देश्य एवं महत्व
2. शोध प्रारूप (Synopsis) निर्माण के चरण, शोध विषय का चयन, संबंधित साहित्य का पुनरावलोकन
3. परिकल्पना निर्माण — परिकल्पना का अर्थ उद्देश्य एवं प्रकार
4. शोध विधि का चयन — अध्यायीकरण, संदर्भ ग्रंथ सूची

इकाई — 2

5. अवलोकन — अर्थ, महत्व, प्रकार
6. ऐतिहासिक स्थल अवलोकन — शिलालेख, स्मारक
7. ऐतिहासिक दस्तावेज अवलोकन — पांडुलिपि, प्रकाशित सामग्री
8. ऐतिहासिक दस्तावेज अवलोकन — शासकीय, अशासकीय सामग्री

इकाई — 3

9. समाजशास्त्रीय अवलोकन — अर्थ, उद्देश्य एवं महत्व उपकरण
10. समाजशास्त्रीय अवलोकन — समूह अवलोकन, बाह्य एवं आंतरिक अवलोकन
11. निदर्शन सैम्पल — प्रकार एवं तकनीक
12. प्रश्नावली — प्रश्नों का निर्माण, प्रकार एवं सत्यापन

इकाई — 4

13. साक्षात्कार — उद्देश्य, उपकरण, महत्व
14. साक्षात्कार — वर्गीकरण, तकनीक, समस्याएं
15. सांख्यिकी विश्लेषण का महत्व एवं सीमाएं और कम्प्यूटर का प्रयोग
16. स्रोतों का प्रतिपरीक्षण तथा व्याख्या

इकाई — 5

17. निष्कर्ष की प्राप्ति एवं परिकल्पना परीक्षण
18. शोध प्रबंध लेखन — प्रविधि, समस्याएं
19. उद्धरण, पाद टिप्पणियां, संदर्भ ग्रंथ सूची
20. शोध पत्र लेखन, प्रतिवेदन लेखन, पुस्तक समीक्षा लेखन

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संदर्भ ग्रंथ :

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| 1. पारसनाथ राय | — अनुसंधान परिचय |
| 2. एम.आर. बाजपेयी | — सामाजिक अनुसंधान तथा सर्वेक्षण |
| 3. सुनील गोयल एवं संगीता | — सामाजिक अनुसंधान के मूल तत्व |
| 4. रविन्द्रनाथ मुखर्जी | — सामाजिक शोध स सांख्यिकी |
| 5. धर्मवीर महाजन एवं
कमलेश महाजन | — सामाजिक अनुसंधान की पद्धतियां |
| 6. कौलेश्वर राय | — इतिहास दर्शन |
| 7. के.एल. खुराना एवं
आर.के बंसल | — इतिहास लेखन धारणाएं एवं पद्धति |
| 8. सुरेन्द्र शर्मा | — रिसर्च मेथोडोलॉजी |
| 9. डॉ. आभापाल एवं
डिग्वर नाथ खुटे | — सामाजिक विज्ञान की शोध प्रविधियां |
| 10. Satish K. Bajaj | - Research Methodology in History |

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पाठ्यक्रम
एम.फिल इतिहास
द्वितीय प्रश्न पत्र – इतिहास दर्शन तथा लेखन
सत्र 2020-21

इकाई – 1

1. इतिहास का अर्थ तथा स्वरूप
2. इतिहास का उद्देश्य तथा महत्व
3. इतिहास के उपकरण
4. इतिहास और तथ्य

इकाई – 2

5. मिश्र की सभ्यता – समाज एवं संस्कृति
6. यूनानी सभ्यता – समाज एवं संस्कृति
7. रोम की सभ्यता – समाज एवं संस्कृति
8. चीन की सभ्यता – समाज एवं संस्कृति

इकाई – 3

9. प्राचीन यूनानी एवं रोमन इतिहास लेखन
10. मध्यकालीन यूरोप में इतिहास लेखन – ईसाईयत का प्रभाव
11. पुनर्जागरण कालीन यूरोप में इतिहास लेखन मानववाद
12. प्रबुद्धतावादी, रोमान्टिकवादी इतिहास लेखन

इकाई – 4

13. आधुनिक काल में यूरोप में इतिहास लेखन इतिहासवाद
14. एनालेस विचारधारा एवं लेखन
15. उत्तर आधुनिकतावादी इतिहास लेखन
16. उत्तर आधुनिकतावादी की आलोचना

इकाई – 5

17. आधुनिक भारत में इतिहास लेखन – जनवादी इतिहास लेखन
18. आधुनिक भारत में इतिहास लेखन – दक्षिण पंथी इतिहास लेखन
19. राष्ट्रवाद और राष्ट्रीय आंदोलन पर इतिहास लेखन
20. सम्प्रदायवाद पर इतिहास लेखन

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संदर्भ ग्रंथ :

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|---|--|
| 1. एस.एल. नागोरी | — विश्व की प्राचीन सभ्यताएं |
| 2. ई. श्रीधरन | — इतिहास लेख एक पाठ्य पुस्तक 500 ई.पू. से 2000 तक |
| 3. E. Sreedharan | - A Text Book of Historiography |
| 4. E.H. Carr | - What is History |
| 5. Satish K. Bajaj | - Research Trends In Historiography |
| 6. प्रो. राधेशरण | — इतिहास और इतिहास लेखन |
| 7. अरविंद मोहन | — इतिहास कथा |
| 8. कौलेश्वर राय | — इतिहास दर्शन |
| 9. ब्रजेश कुमार श्रीवास्तव | — इतिहास लेखन अवधारणा विधाएं एवं साधन |
| 10. झारखण्डे चौबे | — इतिहास दर्शन |
| 11. बुद्ध प्रकाश | — इतिहास चक्र |
| 12. परमानंद सिंह | — इतिहास दर्शन |
| 13. एस.के. माथुर एवं
डी.सी. त्रिपाठी | — इतिहास लेखन की अवधारणा एवं आधुनिक
विचारधाराएं |
| 14. मानिक लाल गुप्त | — इतिहास लेखन, धारणाएं एवं पद्धतियां |

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पाठ्यक्रम
एम.फिल इतिहास
तृतीय प्रश्न पत्र— भारतीय इतिहास के स्रोत
सत्र 2020-21

इकाई — 1 प्राचीन भारतीय इतिहास के स्रोत

1. पुरातात्विक स्रोत — अभिलेख, सिक्के
2. पुरातात्विक स्रोत — स्मारक, मृदभांड
3. साहित्यिक स्रोत — धर्म साहित्य — वेद, पुराण, ब्राम्हण ग्रंथ, बौद्ध एवं जैन साहित्य
4. साहित्यिक स्रोत — यात्रा वृत्तांत, ऐतिहासिक स्रोत कौटिल्य, कल्हण

इकाई — 2 मध्यकालीन भारतीय इतिहास के स्रोत एवं विशेषताएं

5. दिल्ली सल्तनत दरबारी इतिहासकार — मिन्हाज उस सिराज, जियाउद्दीन बरनी
6. मुगल काल दरबारी इतिहासकार एवं विशेषताएं — अबुल फजल, अब्दुल हमीद लाहौरी
7. मध्यकाल के अन्य इतिहासकार एवं विशेषताएं — इब्नबतूता, अमीर खुसरो
8. मध्यकालीन शासक इतिहासकार — बाबर, जहांगीर

इकाई — 3 आधुनिक भारत के इतिहास के स्रोत


9. शासकीय दस्तावेज अभिलेखागारीय सामग्री — राष्ट्रीय आंदोलन संबंधी प्रपत्र एआईसीसी पेपर्स
10. अशासकीय सामग्री — पत्र, डायरियां
11. समाचार पत्र
12. आत्मकथा एवं जीवनियां, महात्मा गांधी की आत्मकथा

इकाई — 4 छत्तीसगढ़ के इतिहास जानने के स्रोत

13. पुरातात्विक स्रोत — अभिलेख सिक्के, स्मारक
14. लिखित ऐतिहासिक स्रोत — शासकीय दस्तावेज
15. लिखित ऐतिहासिक स्रोत — पांडुलिपि एवं अशासकीय स्रोत
16. लोक साहित्य एवं लोककला, लोकनृत्य, लोकगीत, लोककथा

इकाई — 5 अभिलेखागार

17. अभिलेखागार अर्थ एवं परिभाषा
18. भारत में अभिलेखागार का उद्भव एवं विकास
19. अभिलेखागार की कार्यशैली
20. अभिलेखागार का महत्व


Quite
AMM

संदर्भ ग्रंथ :

- | | |
|------------------------|---|
| 1. निहारिका | — प्राचीन भारत पुरातत्व अभिलेख एवं मुद्राएं |
| 2. रणजीत सिंह सैनी | — अभिलेख मंजूषा |
| 3. संतोष कुमार वाजपेयी | — अभिलेखा शास्त्र एवं मुद्राशास्त्र के मूल तत्व |
| 4. श्याम शर्मा | — प्राचीन भारत, वास्तुकला एवं मूर्तिकला |
| 5. राधाकुमुद मुकर्जी | — भारत की संस्कृति एवं कला |
| 6. रतन लाल मिश्र | — समारकों का इतिहास एवं स्थापत्य कला |
| 7. ओम प्रकाश पांडेय | — वैदिक साहित्य एवं संस्कृति का स्वरूप |
| 8. डॉ. राधेशरण | — प्राचीन भारत का राजनैतिक सांस्कृतिक इतिहास |
| 9. हबीब एवं निजामी | — दिल्ली सल्तनत |
| 10. हेरम्ब चतुर्वेदी | — मध्यकालीन इतिहासकार |
| 11. कल्हण | — राजतरंगिणी |
| 12. कौटिल्य | — अर्थशास्त्र |
| 13. कृष्णदेव उपाध्याय | — लोक साहित्य की भूमिका |
| 14. डॉ. शकुन्तला वर्मा | — छत्तीसगढ़ लोक जीवन और लोक साहित्य का अध्ययन |
| 15. वर्मा भगवान सिंह | — छत्तीसगढ़ का इतिहास प्रारंभ से 1947 |
| 16. विपिन चंद्र | — आधुनिक भारत |
| 17. यशपाल, ग़ोवर | — आधुनिक भारत का इतिहास |

* * *

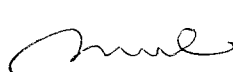
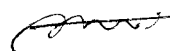


Amal
Pratibha
Amal

SCHOOL OF STUDIES IN HISTORY
Pt. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR (C.G.)
COURSE WORK FOR Ph. D. IN HISTORY

Effective from 2011

Session - 2020-21

S.N.	PAPERS	MARKS
1	Methodological aspect of Research in History	100
2	Practical a. Review of related (Marks - 20) b. Seminar : (Marks - 20) c. Project Report/Dissertation (External - 40) & (Internal - 20)	100
TOTAL MARKS		200

Paper - I

Methodological Aspects of Research in History

M.M. - 100

UNIT - I

1. Research - Meaning, aims and importance
2. Stages of synopsis preparation-selection of topic, Review of related Literature.
3. Hypothesis formation-meaning, aims, kind.
4. Selection of Research methodology, chapterization, Bibliography.

UNIT - II

5. Observation-meaning, importance, kind
6. Historical field observation-inscriptions, monuments,
7. Historical Documents Observation-Primary source-Manuscripts, Published matters (Government and Non Government), Letters.
8. Historical documents observation-Secondary source books, Research papers, News papers

UNIT - III

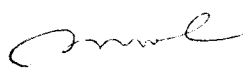

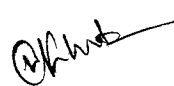
9. Sociological observation-meaning, aims, importance.
10. Sociological observation-equipments, process, kinds.
11. Sample-kinds, technique.
12. Questionnaire-preparation of questions, kinds, verification

UNIT - IV

13. Interview-meaning, aims, importance, equipments.
14. Interview-classification, technique, problems
15. Statistical tools and analysis.
16. Computer application-Data entry and commands for

UNIT - V

17. Cross examination of sources and Interpretation.
18. Stoges of thesis writing- Test of Hypothesis, corelation.
19. Quotations, Footnotes, References, Bibliography.
20. Writing of Research Paper, Project Report and Book Review.

Paper - II (Practical)**M.M.- 100****Part I : Review of Related Literature****(M-20)**

The candidate shall review minimum 20 research articles of a broad research area from referred journals of the discipline. After reviewing the research articles the candidate shall submit a summary chronologically developing the arguments to the Department within two months from the beginning of the Course. On the basis of the review of literature the candidate shall prepare a synopsis including.

- i. Research
- ii. Review of Literature
- iii. Gaps in earlier Studies
- iv. Statement of Problem.
- v. Objectives
- vi. Hypotheses
- vii. Methodology
- viii. Plan of the Study

Part - II - Seminar**(Marks - 20)**

The candidate shall present a seminar on the synopsis. On the basis of the suggestions made in the seminar, the candidate shall prepare a project report/dissertation. Final examination will be conducted with the help of an external examiner in the presence of the internal examiner.

Sumit
Prateek
Prateek

**PT. RAVISHANKAR SHUKLA UNIVERSITY RAIPUR,
CHHATTISGARH**

FACULTY OF LAW(ORDINANCE No. 179)

ORDINANCE, SCHEME OF EXAM AND SYLLABUS

OF

B.A.LL.B.

(FIVE YEAR INTEGRATED DEGREE COURSE)

SEMESTER SYSTEM EXAMINATION

2020-21

PUBLISHED

BY

SCHOOL OF P.G. STUDIES AND RESEARCH IN LAW

FOR

REGISTRAR

**PT. RAVISHANKAR SHUKLA UNIVERSITY RAIPUR,
CHHATTISGARH**

Pt.RavishankarShuklaUniversityRaipur, Chhattisgarh

Revised ordinance No.179

B.A.LL.B. FIVE YEARS INTEGRATED DEGREE COURSE
(Semester System)

1. The whole period of this integrated B.A.LL.B course divided into five academic years/ classes known as B.A.LL.B Semester first, second, third, fourth, fifth, sixth, seventh, eighth, ninth and tenth semesters respectively. Every year /class is divided into Two Semesters WINTER and SUMMER Semesters. The examination of winter semester of all the classes will be called as WINTER TERM EXAMINATION and the other one would be known as SUMMER TERM EXAMINATION. In other words the course is extended into TEN SEMESTERS. The winter semesters are known as ODD semesters (I, III, V, VII , IX)while the summer semesters are known as EVEN semesters (II, IV, VI, VIII , X).

2. The details syllabus/ course of studies for each semester/ academic year and marking scheme for examination, etc. for this course shall be framed and approved by the Board of Studies and Law faculty duly constituted in accordance with the provision of the University Statute and Act. The syllabus forming bodies can amend/ modify the syllabus if needed in the light of BCI norms, time to time.

3. The semester academic schedule shall be framed by the University authorities according to the guidelines of BCI, and may be changed if needed.

The general schedule * will be as follows for this course—

S.No.	ACTIVITY	ODD SEMESTERS I,III, V, VII, IX	EVEN SEMESTER II, IV, VI, VIII, X
		DATE	DATE
1	Admission Process	June 16 – July 15	- - - - -
2	Commencement of the classes	July 16	January 1
3	Meeting of Examination Committed 1	August 1-4	January 15-30
4	Name of the Practical Examination (External) should be informed to Head of S.O.S	September 1-10	February 20-28
5	Completion of Theory course	November-1	April-1
6	Practical Examination	November 1-10	April 1-10
7	Preparation leave	November 11-15	April 11-15

8	Theory Examinations	November 16-30	April 16-30
9	Declaration of Result/ Semester Break	(Winter Term Exam.) December 1- 31	(Summer Term Exam.) May 1- June 15

* This is a general schedule; the activities may be fluctuated in avoidable circumstances.

1. Respective sections (Examination and Confidential) the university will act accordingly.

2. The Practical examination date will be confident by HOD/ Principal as the case may be.

4. An applicant who has passed & successfully completed Senior secondary school certificate course in 10+2 system or equivalent (such as 11+1, 'A' level in senior school leaving certificate) course recognized by the university or passed Higher Secondary School Examination of Chhattisgarh Board of Higher Secondary Examination, Raipur with at least 45% of the total marks in case of General category and 40% of the total marks in the case of SC and ST in any stream and also fulfilled the other institutional and State Government criteria shall be eligible for a admission in B.A.LL.B First Semester. The procedure for this admission shall be announced by the University administration every year.

5. Subject to the condition stipulated by a University on this behalf and the high degree of professional commitment required the maximum age for seeking admission in this course is limited to twenty years in case of General category of applicant and twenty two years in case of applicants for SC/ST and Other Backwards communities on the 1st day of July every year.

6. If any applicant who fulfill the requirements of clause 4 and 5 and other processes relating to admission and he/she has got admitted in First semester and has prosecuted regular course of prescribed study for that semester session in the University School of Law or in an affiliated College to the University shall be eligible to appear at the B.A.LL.B First semester WINTER TERM EXAMINATION.

7. (i) There will be a full examination at the end of each semester consisting of theory paper and practical examination.

(ii) A candidate who fails to secure minimum pass mark in any subject may improve the same at the next semester examination (ATKT)

(iii) There will be no supplementary examination

(iv) Standard of passing:

- a. Minimum 36% marks in individual paper.
 - b. There shall be 48% marks in aggregate in each semester examination.
 - c. A candidate who has secured minimum passing marks in all the papers but could not obtain 48% marks, such candidate shall be given option to select two papers of the concern semester to makeup to the short fall of the 48% aggregate of each semester.
- (v) A Candidate who has been admitted B.A.L.L.B. 1st Semester will be promoted in higher semester in accordance with following sub rules.
- a. A candidate shall not be admitted in the fifth or higher Semester Classes unless he/she has fully passed/cleared in first and second semester examination(passed in individual paper and 48% aggregate), likewise candidate shall not be admitted to seventh or higher semester clear unless he/she fully passed/cleared the first four semester examination(passed in individual paper and 48% aggregate and similarly candidate shall not be admitted in the 9th or higher semester classes unless he/she fully passed/cleared the first six semester examination(passed in individual paper and 48% aggregate).
 - b. For the promotion to the higher semester the sequence shall be adhered to.
 - c. No Candidate will be awarded degree of B.A.L.L.B. unless he/she passed all the 10th semester examination. If any previous semester, paper remains as backlog to be cleared by him/her the result will be withheld till he/she passed the backlog.

A successful candidate shall be awarded division on the basis of marks obtained by him/her in all ten semester examination taken together. Those who secure 60% or more shall be placed in 1st division. All other successful candidates shall be placed in 2nd division.

- .
8. (a) No Candidate shall be permitted to appear for any of the B.A.L.L.B. Semester examination unless he has attended at least 75% of the total number of lectures, Practical works and Seminars held during the Semester Session. The Vice Chancellor may condone 15% of attendance on the recommendation of Head of S.O.S /Principal in genuine cases.

(b) Every student of the College/University Teaching Department Seeking admission to the semester examination shall submit through the principal or Head of the Department as the case may be, application on prescribed form together with necessary fees. The student shall be permitted

to appear in the examination if he fulfills other condition of ordinance/statutes of University relating to the examination.

9. In order to declare successful at any of the B.A.LL.B. Semester Examination every Candidate will have to obtain at least 36% marks in individual papers and at least 48% marks in aggregate.

A successful candidate shall be assigned division on the basis of the marks obtained by him/her in all the ten semester examinations taken together. Those who secure 60% marks or more shall be placed in the FIRST DIVISION. All other successful Candidate shall be placed in the SECOND DIVISION.

10. The provision of revaluation will not be available; however a student may apply for re-totaling.

11. The conditions / stipulations of above ordinance will be subject to rules and regulations made or modified by the Bar Council of India in respect of Rules of Legal Education as framed and amended from time to time.

12. The provisions of Ordinances 5 and 6 shall be applicable only to the extent that they are not inconsistent with the provision of this Ordinance.

13. The Executive Council shall publish the results of the examination as soon as possible for it.

14. After passing all the Five Year semester examinations, the candidate shall be eligible for the degree of B.A. LL.B. Five Year Integrated Degree Course, if permitted by the executive council.

B.A.LL.B.(SEMESTER SYSTEM) - Session (2020-21)

FIRST SEMESTER (July to December)

S.No	Papers	Max. Marks
1	English-I	100
2	Sociology	100

3	History	100
4	Legal History of India (1600-1887)	100
Total Marks		400

B.A.LL.B.(SEMESTER SYSTEM) - Session (2020-21)
SECOND SEMESTER
(Jan to June)

S.No	Papers	Max. Marks
1	English-II	100
2	Economics	100
3	Political Science-I	100
4	Constitutional History of India (1858-1950)	100
Total Marks		400

B.A LL.B (SEMESTERSYSTEM)(2020-21)
THIRD SEMESTER
 (July to December)

S.No	Papers	Max. Marks
1	Political Science – II(Major)	100
2	History – II (Minor)	100
3	Economics – II (Minor)	100
4	Contract-I (General Principal of Contract)and Specific Relief	100
Total Marks		400

B.A.LL.B.(SEMESTER SYSTEM) - Session (2020-21)
FOURTH SEMESTER
 (Jan to June)

S.No	Papers	Max Marks
1	Political Science – III (Major)	100
2	Sociology – II (Minor)	100
3	Political Science – IV (Major)	100
4	Contract - II (Specific Contract) Sale of Goods and Partnership Act	100
Total Marks		400

B.A.LL.B.(SEMESTER SYSTEM) - Session (2020-21)
FIFTH SEMESTER
(July to December)

S.No	Papers	Max. Marks
1	Jurisprudence and Legal Theory	100
2	Law of Torts including Motor Vehicle Act and Consumer Protection Laws	100
3	Law of Crimes –I (I.P.C.)	100
4	Law of Crimes –II (Criminal Procedure Code , Juvenile Justice Act & Probation of Offenders Act)	100
Total Marks		400

B.A.LL.B.(SEMESTER SYSTEM) - Session (2020-21)
SIXTH SEMESTER
(Jan to June)

S.No	Papers	Max. Marks
1	Law of Evidence	100
2	Constitutional law -I	100
3	Constitutional law -II	100
4	Environmental law including Wild Life Protection and Animal Welfare	100
Total Marks		400

B.A.LL.B.(SEMESTER SYSTEM) - Session (2020-21)
SEVENTH SEMESTER
(July to December)

S.No	Papers	Max. Marks
1	Family Law-I Hindu law	100
2	Family Law-II Muslim law	100
3	Administrative Law & Right to Information Act	100
4	Law of Equity and Indian Trust Act,1882	100
5	(Practicals) : Professional Ethics and Professional Accounting System.	
Total Marks		500

B.A.LL.B.(SEMESTER SYSTEM) - Session (2020-21)
EIGHTH SEMESTER
(Jan to June)

S.No	Papers	Max. Marks
1	Labour and Industrial Law-I	100
2	Labour and Industrial Law-II	100
3	Human Rights and Public International Law	100
4	Insurance Law	100
5	(Practicals) : Alternative Disputes Resolution	100
Total Marks		500

B.A.LL.B.(SEMESTER SYSTEM) - Session (2020-21)
NINTH SEMESTER
(July to December)

S.No	Papers	Max. Marks
1	C.G. Land Revenue Code and Other local laws	100
2	Intellectual Property Law	100
3	Company Law	100
4	Law of Taxation	100
5	(Practical): Moot Court exercised and Internship	
Total Marks		500

B.A.LL.B.(SEMESTER SYSTEM) - Session (2020-21)
TENTH SEMESTER
(Jan to June)

S.No	Papers	Max. Marks
1	Transfer of Property Act and Easement Act	100
2	Civil Procedure Code and Limitation Act	100
3	Interpretation of Statutes and Principles of Legislation	100
4	Criminology and Penology	100
5	(Practical): Drafting, Pleading and Conveyancing	100
Total Marks		500

SYLLABUS FOR B.A.LL.B SEMESTER-I

PAPER-I- ENGLISH-I-GENERAL ENGLISH

UNIT-I GRAMMER AND USAGES :

- (a) Tense Sequence - Tense & Concord.
- (b) Noun modifier (determiners propositional phrases and clauses).
- (c) Active and Passive.
- (d) Basic language skill - The ability to fill up blanks correct errors, choose correct form out of alternative choice, Join clauses.

UNIT-II SENTENCES AND ITS BASIC TRANSFORMATION :

- (a) Basic transformation - Passive, Negatives, questions, conditional
- (b) Reported Speeches Including Part of speeches
- (c) Question tags and short responses.

UNIT-III VOCABULARY (COMMUNICATIONS SKILLS) :

- (a) English legal terms relevant the subject/paper
- (b) Use of legal terms and idiomatic expression.
- (c) Use of language as a tool to express communicative functions, such as seeking and imparting information-expressing attitudes - intellectual and emotional , persuasion and discussion.
- (d) Common error in English.

UNIT-IV COMPREHENSION SKILL :

- (a) Reading comprehension (Principles and Practice) of unseen passage
- (b) Listening comprehension

UNIT-V COMPOSITION SKILL :

- (a) Paragraph writing
- (b) Formal correspondence
- (c) Note taking
- (d) Translation from regional language into English and vice-versa.

RECOMMENDED READING MATERIAL

1. F.T. WOOD - REMEDIAL ENGLISH GRAMMER FOR FOREIGN STUDENT (MAC-MILLAN)(1975).

2. ISTIAQUE ABIDI - LAW AND LANGUAGE - (UNIVERSITY PUBLISHER-ALIGARH)(1978)
3. COLLINS -LEGAL DICTIONARY (UNIVERSAL BOOK STALL, 3 ANSARI ROAD), NEW DELHI.
4. W.STANNARD ALLEN -LIVING ENGLISH STRUCTURE (OXFORD)
5. M.K. GANDHI - THE LAW AND THE LAWERS (NAVJIVAN PUBLISHERS AHMADABAD)
6. DENNING -DUE PROCESS OF LAW (BUTTER WORTH LONDON)
7. M.C. CHAGLA - ROSES IN DECEMBER (BHARTIYA VIDYA BHAWAN, BOMBAY)
8. VIDHI SAHITYA PRAKASHAN- MINISTRY OF LAW NEW DELHI- HINDI-ENGLISH GLOSSORY
9. SUNITA SHARMA - A TEXT BOOK OF ENGLISH GRAMMER COMPOSITION AND TRANSLATION (VIKAS)
10. GARNER BRYAN - A DICTIONARY OF MODERN LEGAL USAGES (OUPANSARI ROAD DARIYAGANJ, NEW DELHI)
11. SCHEDULED MATERIAL DRAWN FROM RENOUNED JUDGEMENT.
12. BHASHARAN & HORSBURGH - STRANGTHEN YOUR ENGLISH (OUP - 1973)
13. B.K. DAS AND DAVID - A REMEDIAL COURSE IN ENGLISH FOR COLLEGES (BOOK I & II)
14. M.L. TIKKOO & SUBRAMANIAM - USAGES AND COMPOSITION (LONGMAN)
15. PROF. V.S. ELIZABETH - GENERAL ENGLISH
16. R.K. JAIN - PROFESSION IN ENGLISH

PAPER - II

SOCIOLOGY

UNIT-I

- (a) Sociology as a science and its concepts- its meaning definition and Origin and importance.
- (b) Basic concepts in Sociology - Society community group associations, value and norms.
- (c) Major concepts social structure and organization.
- (d) Social Institutions Marriage, Family kinship and economic, institution, Power and Political Institutions, Religious Institutions.

UNIT-II

- (a) The Human personality - Society and Heredity interrelation. Durkheim's Theory of Suicide.
- (b) Socialization - concept, stages, agencies and Theories, Development of self and personality, Social stratification backward classes, Marx's concept of class struggle.

UNIT-III

- (a) Anomic Deviance and Social Structure.
- (b) Social Control - Concepts forms and agencies Formal and informal social order and stability, control.

UNIT-IV

- (a) Social Process - Association and disassociate social process, its concepts and classification, Durkheim's Theory of Social Solidarity.
- (b) Social Change, Concepts and Characteristics and Trend, Factors of social changes - Cultural Technological and Economic.
- (c) Cultural Change, Trend in Indian Cultural values & development.

UNIT-V

- (a) Law and Society - Social factors and legal system.
- (b) Sociology of Law and Legal profession.

RECOMMENDED READING MATERIAL :

1. PELER WESSELEY - INTRODUCTION SOCIOLOGY (HERMOND-WORTH PENGUINE BOOK 1971)
2. N.K. BOSE - THE STRUCTURE OF HINDU SOCIETY (ORIENT LONGMAN-1975)
3. ROMESH THAPPER (ED)-TRIBE, CASTE, RELIGION AND INDIA (MACMILLAN) 1977.
4. MACIVER & PASE - SOCIETY.
5. DAVID GMUNDEL MAUM- SOCIETY IN INDIA (BOMBAY POPULAR PRAKASHAN, 1972).
6. ANDRI BETEILLI - THE BACKWARD CLASSES IN NEW SOCIAL ORDER (OUP 1984)
7. ANDRI BETEILLE - INEQUALITY AND SOCIAL CHANGE (OUP 1972).
8. P. GISKORT - FUNDAMENTAL OF SOCIOLOGY.
9. T.M. BOTOMER - SOCIOLOGY (GEORGE ALLEN & UNWIN BOMBAY)
10. KUSSRGSLY DAVIS - HUMAN SOCIETY
11. JOHNSON W. - SOCIOLOGY
12. M.N. SHRIBUVASAB - SOCIAL CHANGES IN MODERN INDIA
13. K.M. KAPADDIA - MARRIAGE AND FAMILY IN INDIA.
14. T.K.OOMEN & C.N. VENUGOPAL - SOCIOLOGY FOR LAW STUENT (EASTERN BOOK COMPANY, LUCKNOW)
15. INKELES ALEX - WHAT IS SOCIOLOGY ? (PRENTICE-HALL OF INDIA)
16. JAYARAM N. - INTRODUCTORY SOCIOLOGY (MAC MILLAN MADRAS)
17. HARRY M. JOHNSON -SOCIOLOGY A SYSTEMATIC INTRODUCTION BHARTIYA SAMAJ.
18. INDRA DEVA - BHARTIYA SAMAJ.
19. MADAN C.R. - SOCIAL PROBLEM IN INDIA.

PAPER - III

HISTORY

UNIT – I

History of India – Up to 320 B.C.

Vedic Age-A brief introduction of the social, political, legal and religious infrastructure in Vedic times

The organization of Central Government in ancient India

The village republics, *mahajanspadas*

The ancient law givers- *Manu, Vrihaspati, Yaghyavalakya, Katyayana*

The *Varnashram* system

Position of women in ancient India

UNIT- II

320 B.C. to 648 A.D.

The sources, the administrator system of the Mourays, Guptas, & Harshvardhanas with special reference to-

The Central Government

Provincial administration

Local administration

Economy, revenue, agriculture, military organization, feudal system, law and justice, social infrastructure- Caste system, position of women education

UNIT – III

648 A.D. to 1206 A.D.

Historical Sources

A brief political history of the work Indian Rajput dynasties

The parthiharas, chahmanas, polas, senas. Chaulukyias (Solanky)

Paramars and Kalchuris of chedi with special reference to their- administration system, central, provincial, village

Economic system: agriculture, revenue

Lw and justice

Military organization

Caste system: position of women, education

UNIT- IV

648 A.D. to 1206 A.D.

-The South Indian Dynasties,sources

A brief political history of the Chalukayas

The Cholas and the Rashtrakutas with special reference to their- administrative system central, provincial, local

UNIT-V

648 A.D to 1206 A.D.

Economy: agriculture, revenue, trade and commerce
Law and justice
Military organization
Social system: caste system, position of women

Books Recommended

1. History of India – Elliot & Dowson
2. Ancient India- V.D. Mahajan
3. Ancient India- R.C. Majumdar
4. History of India L.P. Sharma
5. Comprehensive history of India – Henry Bemeridge
6. Private & Government in Ancient India A.S. Altekar
7. Background of Indian criminal law – T.K. Banarjee
8. The political legal and military history – H.S. Bhatia
9. Evolution of Indian culture – B.N. Luniya
10. Indian history – L. Prasad

PAPER- IV

LEGAL HISTORY (1600-1857)

Unit 1st

- (a) Administration of justice in presidency towns - Surat, Bombay, Madras and Calcutta.
- (b) Provisions of Charter of 1687 and Charter of 1726, Merits and Defects of the Charter.
- (c) Distinction between the Madras Charter 1687 and the Charter of 1726
- (d) Provisions of Charter of 1753, critical estimate of the working of the Mayer Courts from 1726 to 1753.

Unit 2

- (a) Inauguration of Adalat system in Bengal , Grant of “Diwani” dual government of Bengal
- (b) Warren Hasting’s judicial plan of 1772, 1774 & 1780.
- (c) Judicial measures of Cornwallis 1787, 1790, 1793, progress of Adalat system under John Shore to William Bentick.
- (d) Regulating Act 1773, its provisions powers and functions, merits and defects of the Act.

Unit 3

- (a) Provisions of Charter of 1774 Supreme Courts of Calcutta its composition, powers and functions, Critical estimate of the provisions of judicial charters of 1774.
- (b) Some landmark cases and its effects on judicial system including Raja Nand Kumar case, Patna case and Cassijurah case
- (c) Changes under Settlement Act of 1781 and Pitts India Acts 1784.
- (d) Establishment of Madras and Bombay presidency.

Unit 4

- (a) Development of criminal law, Hindu law and Muslim law in (1600 to 1853)
- (b) Racial Discrimination
- (c) Charter Act 1813, 1833 and 1853
- (d) Law Commission & Codification

Unit 5

- (a) Privy Council- jurisdiction, Reorganization, Sui Generis body, Appeals History from India.
- (b) Development of legal profession in (1600-1853)
- (c) Development of Law Reporting In India, Growth of justice. Equality and good conscience
- (d) Influence of English law in India

Recommended Reading Material:

1. Herbert Cowell – The History and constitution of court and legislative Authorities in India (1936) (6th Ed. Published by S.C Bagchi , Calcutta)

2. A.B Keith – A constitutional History of India – 1600 – 1935) (central book Deptt. Allahabad)
3. M.P. Jain - Out lines of Indian Legal History. (Tripathi) (1998)
4. M.V.PAYLEE - Constitutional History of India-(1600-1950)(Asia-Bombay-1967)
5. V.D.KULSHRESTRA – Land mark in Indian Legal History(Eastern Book Co.Lucknow)
6. M.RAMAJOIS WAJONS – Legal & Constitutional Theory of India (1984)(2 roles)
7. Dr.N.V. Paranjare-Indian legal &Constitution History 6th edition (Central Law Agency)

SYLLABUS FOR B.A.LL.B SEMESTER-II

S.No	Papers	Max. Marks
1	English-II	100
2	Economics	100
3	Political Science-I	100
4	Constitutional History of India (1858-1950)	100
Total Marks		400

PAPER - I
ENGLISH – II

UNIT-I VOCABULARY :

- (a) Foreign words and Phrases (Important Latin & English affixes)
- (b) Certain set expression and phrases
- (c) One word substitution
- (d) Words often confused and misused
- (e) Consulting a dictionary - synonyms and antonyms

UNIT-II COMPREHENSION SKILLS :

- (a) Common Logical fallacies
- (b) Use of legal terms and idiomatic expression.
- (c) Comprehension of legal texts.

UNIT-III COMPOSITION SKILLS :

- (a) Use of cohesive devices.
- (b) Passage and answer to its question
- (c) Writing of a precise of the passages

UNIT-IV ESSAY & TRANSLATION :

- (a) Essay writing on current topic
- (b) Varieties of sentence structure and verb patterns.
- (c) Translation from English to Hindi and Hindi to English.
- (d) Fill up the blanks by using appropriate word and phrases.

UNIT-V SPEECH TRAINING (PHONETICS THEORY & PRACTICE)

- (a) Reading aloud (Knowledge of proper pauses)
- (b) Key sounds their discrimination and accent.
- (c) Consulting pronouncing dictionary.
- (d) Rapid Reading and debating exercise.

RECOMMENDED RADING MATERIAL :

1. Ishtiaque Ibidi, - Law and English (University Publication Aligarh, 1978)
2. Legal Glossary - Government of India Ministry of law publication, New Delhi.
3. Legal Essay - Pioneer publication, Agra.
4. Maurice H. Wassen - Words Confused and Misused (A.H. Wheelar co., Allahabad).

5. Denial Jones - The Pronunciation of English (Universal Book Stall 6, Ansari Road, New Delhi-2).
6. Denial Jones - English Pronouncing Dictionary (Cambridge University Press)
7. Latin for Lawyers - Sweet & Maxwell - Universal Law Publishing Co. (P) Ltd. New Delhi.
8. Bansal & Harrison - Spoken English for India (O.U.P.)
9. Gimson - An Introduction to English Pronunciation (O.U.P.)
10. Black Legal Dictionary - West Publishing Co.
11. Collins - Legal Dictionary - West Publishing Co.
12. R.P. Sinha - How to Translate in to English (Bharat Bavan Patna)
13. Selected Materials drawn from renowned Judgments.

PAPER- II

ECONOMICS – I (MINOR)

Micro Economics

UNIT – I

Introduction:

Definition & Scope of Economics

Inductive and deductive methods of study of Economics

Basic Concepts: Utility, Demand, Supply

Law of demand

UNIT- II

Consumer Behaviour

Law of diminishing marginal utility, law of equi- marginal utility, consumer's surplus, - (classical approach only)

Elasticity of demand and its measurement and factors affecting elasticity of demand

Price elasticity, cross and income elasticity

UNIT- III

Production

Factors of production and their characteristic

Concept of cost and revenue curves

Law of returns

UNIT- IV

Product Pricing

Market and its classification

Price determination under perfect competition

Price determination under monopoly

Price determination under monopolistic competition

UNIT – V

Factor Pricing

Rent – Ricardian theory and modern theory of rent

Wages – marginal productivity and modern theory of wages

Interest – net and gross interest liquidity preference theory of Keynes

Profit – net and gross profit, theories of profit – Schumpeter's, Clark's, Knight's

Books Recommended

P.N. Chouhan

Micro Economics

M.L. Seth

Micro Economics

M.L. Sinha

Micro Economics

K.K. Deweth

Micro Economics

PAPER - III

POLITICAL SCIENCE – I (Major)

UNIT-I Nature origin and development of the state, Distinction between the state, society and Government. Nature and Nationality, Essential Element of the state, Classical theory of the State - Social contract theory of Hobbs, lock and -Russou and its comparison with modern (Marx, Weber, Emile, Durkhim) approaches to the notion of Political obligation, Bentham's Utilitarianism and view of Hegal and T.H. Green.

UNIT-II Main current of Western and Indian political thought. Medieval political thought (Natural Law and Natural rights) Liberalism, Socialism, and Marxism Classical Hindu and Islamic conception of State.

UNIT-III Definition of Sovereignty. Its characteristics, Political ----- and Legal sovereignty, Law and Morality, Law and state Pluralistic criticism of the theory of Sovereignty, TotalitarianState.

UNIT-IV Classification of constitution and state Unitary and Federal, Parliamentary and Presidential characteristics, Organization of Government-Executive. Legislature and Judiciary. Theory of Separation of power, Parliamentary Supremacy Legal Supremacy and Independence of Judiciary.

UNIT-V Conception of representation, Public Opinion and Participation, Political thought of Mahatma Gandhi. The Philosophy of Non-Violence, Gandhi's view on Economic and Religions.

RECOMMENDED READING MATERIAL :

1. IQBAL NARAIN - PRINCIPLES OF POLITICAL THOUGHT.
2. AASHIRVADAM E. - POLITICAL THEORIES
3. R.C. AGRAWAL - POLITICAL THOERY.
4. G.N. SINGH - FUNDAMENTAL OF POLITICAL SCIENCE AND ORGANISATION (KITAB MAHAL ALLAHABAD).
5. G.H. SABINE - A HJITORY OF POLITICAL THEORY (OXFORD-1973)
6. GANBA - INTRODUCTION OF POLITICAL THEORY
7. B.R. PUROHIT - RAJNITI SHASTRA KE MOOL SIDDANT (RAJAMDI GROWTH ACADEMY JAIPUR)
8. C.F. STRONG - MODERN POLITICAL CONSTITUTION.
9. S.P. VERMA - MODERN POLITICAL THEORY (VIKAS)
10. G. SAWER - MODERN FEDERALISM (C.A. WATT LONDON-1969)
11. GEORGE LICH TOCLM-A SHORT STORY OF SOCIALISM.

PAPER - IV
CONSTITUTIONAL HISTORY OF INDIA (1858-1950)

Unit I

- (a) The Government of India Act 1858, Main provisions, merits & Demerits of the Act.
- (b) The Indian Council Act 1861 circumstances, main provisions, merits & Demerits.
- (c) Government of India Act, 1870.
- (d) The Indian Councils Act, 1892, provisions, merits & demerits and its main contribution in the Act.

Unit II

- (a) The Indian Council Act 1909 (Minto – Morley Reforms), Provisions, effect & defect of the Act
- (b) World War First and its effect in Constitutional Development in India
- (c) The Government of India Act, 1919, The Montague Declaration, failure of the Montfort Reforms.
- (d) The working & failure of Dyarchy System.

Unit III

- (a) The Simon Commission and development Up to 1935 Act.
- (b) Nehru Report 1928, Rejection of Nehru Report and Fourteen Points Report by Muslim League.
- (c) The National Movement and Communal Award of Poona Pact.
- (d) Lord Irwin's Proclamation 1929.

Unit IV

- (a) The Government of India Act 1935- Main Provisions. Effect of the federal System in India. Merits & Demerits of the Act.
- (b) Constitutional Development 1937 to 1947. Two nation theory and Pakistan.
- (c) The August Offer 1940, Cripps Mission 1942, Wavell Plan 1945, Simla Conference, Round TSable Conference.
- (d) Cabinet Mission 1946, Mountbatten Plan 1947, The Indian Independence Act 1947

Unit V

- (a) The Indian High Court Act 1861, Letters Patent establishing High courts, Indian High Court Act 1865 and 1911.
- (b) The Federal Court of India 1935-foundation, functions & powers, Abolition of Federal Court.
- (c) The Supreme Court of India-origin, Jurisdiction and Powers.
- (d) Origin and Development of the Writ System in India.

Recommended Reading Material:

1. Herbert Cowell – The History and constitution of court and legislative Authorities in
2. India (1936) (6th End. Published by S.C Bagchi , Calcutta)
3. A.B Keith – A constitutional History of India – 1600 – 1935) (central book Deppt. Allahabad)
4. M.P. Jain - Out lines of Indian Legal History. (Tripathi) (1998)

5. M.V.PAYLEE - Constitutional History of India-(1600-1950)(Asia-Bombay-1967)
6. V.D.KULSHRESTRA – Land mark in Indian Legal History(Eastern Book CoLucknow)

SYLLABUS FOR B.A.LL.B SEMESTER-III

S.No	Papers	Max. Marks
1	Political Science – II(Major)	100
2	History – II (Minor)	100
3	Economics – II (Minor)	100
4	Contract-I (General Principles of Contract and specific Relief)	100
Total Marks		400

SYLLABUS FOR B.A.LL.B SEMESTER-IV

S.No	Papers	Max Marks
1	Political Science – III (Major)	100
2	Sociology – II (Minor)	100
3	Political Science – IV (Major)	100
4	Contract - II (Specific Contract) Sale of Goods and Partnership Act	100
Total Marks		400

PAPER – I

POLITICAL SCIENCE – II (Major) INTERNATIONAL RELATIONS AND ORGANISATION

- UNIT-I** Nature and scope of international relations and foreign policy. Approaches to the study of international relations (a) historical approach (b) Philosophical approach (c) System approach - Balance of power approach, Equilibrium approach, Bipolar approach (d) Policy science approach - Behavioral approach (e) Hon. J. Morgenthau Theory of Realism.
- UNIT-II** Emergence of nation state system - Feudalism : Colonialism, Imperialism and nationalism in Asia, Marxist, Anarchist and welfare, Characters of modern state system, cold war, New world order.
- UNIT-III** International Organization - Development of International League of Nations, Origin, Membership, Aims Organization of the league of Nations functions & causes of its failure & its evaluation.
- UNIT-IV** The United Nations organization (UNO) - Genesis and development, basic principles, membership, Principal organs of the U.N.O. - General Assembly Security Council, Economic and Social Council, Trusteeship Council, International court of Justice and secretariat. Subsidiary organs of United nation U.N. Social Development committee, Human Rights Commissions, International Commodity Trade Commission, Specialized and functional agencies, ILO, IMF, WHO, UNESCO, UNICEF, United Nations and settlements of International Disputes, Evaluation of the U.N.O.
- UNIT-V** Regionalism in international relations Emergence of regional organization and the development of regional groups NAN, ASIAN, SAARC, NATO Regionalism and the U.N.O.

Recommended Reading Material :

1. D.N. Verma - International Relations
2. M.G. Gupta - International Politics Science 1919.
3. K.K. Mishra - International Politics
4. B.S. Murthy - International Relations and Organization (EBC Lucknow)
5. K.P. Mishra - The Concept of nonalignment and its implication and Recent Trends.
6. Hans Morgenthau - Politics among nations - The struggle for power and place (New York Knopf. 1955)
7. Quincy Wright - Study of International Relations, (New York - Appleton Century Croft) (1955)
8. D.W. Bowelt - International institution, London Mac Millan (1914)
9. S.P. Verma - Modern Political Theory (Vikas 1981)
10. G. Sawer - Modern Federalism, London - C.A. Watts 1969.
11. G.H. Sabine - A History of political Theory (Oxford)

PAPER-II
HISTORY-II (MINOR)

UNIT- I

History of India A.D. 1206-1526

The advent of Islam in India sources, the Delhi Sultnat- Iltutmish, Balban, AluddinKhiljee, Mohd.Tughluq, Firoz Tughluq

UNIT – II

The concept of Islamic State- the theory of kingship, control, provincial and local administration, administration of law and justice, military organization, economy under the sultnate - revenue, agriculture, society, position of women, education

UNIT- III

The Mughal Empire 1526-1740 Sources- A brief political history from Barber to Aurangjab with special reference to the administration of Shershah, Akbar and Auranjab

The emergence of the Maratha power – Shivaji and his administration

UNIT – IV

The administration under the Mughlas, Nature of State, theory of kingship, control, provincial and local self Government- revenue administration, agriculture, military administration, manasabdari system, law of justice

UNIT- V

Impact of Islam on Indian society, poverty and economy
Bhakti and Sufi Movements

Books Recommended

11. History of India – Elliot & Dowson
12. Ancient India- V.D. Mahajan
13. Ancient India- R.C. Majumdar
14. History of India L.P. Sharma
15. Comprehensive history of India – Henry Bemeridge
16. Private & Government in Ancient India A.S. Altekar
17. Background of Indian criminal law – T.K. Banarjee
18. The political legal and military history – H.S. Bhatia
19. Evolution of Indian culture – B.N. Luniya
20. Indian history – L. Prasad

PAPER—III ECONOMICS

UNIT – I

Basic features and structure of Indian Economy
Demographic features and population policy of India
National income estimation and its trends in India

UNIT – II

Basic feature of Indian agriculture
Emerging trends in agricultural production and Green Revolution
Problems of agricultural marketing in India
Agricultural credit: sources and problems

UNIT – III

Latest Industrial policy
Cottage and small- scale industries and their problems
Globalization and Indian industry
Role of public, private and joint sector in India

UNIT- IV

Objectives and strategy of planning in India
Analysis of current five year plan
India regional variations in economic development in India
CentralState financial relations- role of finance commission and recommendation of latest
Finance commission in India

UNIT – V

Poverty- concepts and trends in India
Unemployment- causes and types unemployment
Various Govt. measures for the eradications of poverty and unemployment
Problems and rising prices and its impact of Indian economy

Books Recommended

Mishra & Puri	Indian economy
P.K. Dhar	Indian economy
Dutta and Findrem	Indian economy
P.S. Gongane	Indian economy

PAPER—IV
CONTRACT - I
(General Principles of contract & Specific Relief)

This paper is divided in to two parts - Part one and Part Two : Part I is related with General Principles of Contract. It covers section 1 to 75 of Indian Contract Act. While Part-II is related with Indian Specific Act. Three units covers the course of Part-I while other two units are related with Specific Relief.

PART - I - CONTRACT

UNIT-I NATURE OF CONTRACT, COMMUNICATION ACCEPTANCE AND REVOCATION OF PROPOSAL (sec. 1 to sec. 9)

- (a) General History and Nature of Contract, Distinction between Torts and Contract, agreements and contracts, Essentials of contract & consideration.
- b) Interpretation clause communication of proposals. Its various means and its completion.
- c) Acceptance - Its certainty and absoluteness manner of Acceptance, Acceptance by performing conditions and General offers.
- d) Revocation of proposal and acceptance - Revocation of offer, How it is made ? Revocation on sale by auction, Revocation before acceptance of bid and Revocation in standing orders.

UNIT-II AGREEMENT AND CONTRACT - VOID VOIDABLE AND CONTINGENT (Section 9 to 36)

- (a) Agreement and contract - Which agreements are contract ? Competency to perform contract : factors which affects the legality of contracts - minority unsoundness etc.
- b) Lack of free consent, coercion, undue influences, fraud and misrepresentation and their effect on contract.
- c) Effect of mistake of law and mistake of fact on contract. How an unlawful consideration and object made a contract and agreement illegal and void?
- d) Contingent contract - What are they ? its effect on the legality of contract.

UNIT-III PERFORMANCE OF CONTRACT QUASI CONTRACT & BREACH OF CONTRACT (sec. 37-75)

- a) Performance of Contract - Which and by whom contract must be Performed ? Performance if time, place and manner is mentioned in contract. Performance of reciprocal promises.

- b) Effect of failure in performance - when agreement was impossible to do or when act after words impossible and unlawful. Doctrine of frustration and its effects : contract which need not be perform and effect of novation --- and alteration of contract.
- c) Quasi contract - certain relation resembling those created by contract (68 to 72)
- d) Consequences of breach of contract - Compensation for loss or damages caused by breach of contract, compensation for failure to discharge obligation resembling those created by contract. Compensation for breach of contract where penalty stipulated and position of partly rightfully rescinding contract.

PART - II - SPECIFIC RELIEF

UNIT-IV SPECIFIC RELIEF ACT AND ITS APPLICABILITY (Section 1 to 24)

- a) Specific Relief Act and its applicability - Definition, Recovering possession of property; immovable and movable (Sec. 1 to 8)
- b) Specific performance of contract - Contract which can be specifically enforced and contract which can not be specifically enforced. (Sec. 9 to 14)
- c) Person for or against whom contract may be specifically enforced. (Sec 15-19)
- d) Discretion and Powers of the courts in decreeing specific performance awarding compensation and granting relief, liquidation of damages and Bar of suit for compensation for breach after dismissal of suit for specific performance. (Sec. 20-24).

UNIT-V ENFORCEMENT OF AWARDS RATIFICATION, CANCELLATION, DECREE AND INJUNCTIONS (Sec. 25 to 42)

- a) Enforcement of awards and Direction to execute settlement and Rescission of contract.
- b) Rectification and cancellation of Instrument.
- c) Declaratory Degree - Discretion of court as to declaration of status or right and effect of declaration.

- d) Injunctions - Temporary & perpetual and mandatory. Refusal of injunction Damages in lieu of or in addition to injunction, and injunction to perform negative agreement.

Book Recommended :

1. Ansons Law of Contract (1998) Universal, Delhi.
2. Pollock and Mulla - Indian Contract and specific Relief Acts. 1999, Universal
650/-
3. Sarkar on Specific Relief Act. - Wadhwa, Nagpur.
4. Avtar Singh - Law of Contract, EBC, Lucknow.
5. Avtar Singh - Law of Contract and Specific Relief EBC, Lucknow.
6. Benerjees - Law of Specific Relief, Universa
7. Anand & Ayer Law of Specific Relief, Universal
8. Bangia R.K. - Law of Contract and Specific Relief 595/-
9. G.H. Treital - Law of Contract, Sweet & Maxwell 1997.

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SYLLABUS FOR B.A.LL.B SEMESTER-IV

S.No	Papers	Max Marks
1	Political Science – III (Major)	100
2	Sociology – II (Minor)	100
3	Political Science – IV (Major)	100
4	Contract - II (Specific Contract) Sale of Goods and Partnership Act	100
Total Marks		400

PAPER – I
POLITICAL SCIENCE-III (MAJOR)
(Comparative Government and Politics)

Unit – I

British Constitution- (a) Introduction to the British Constitution, Sources of the Constitution, Salient features.
(b) Prime Minister, Crown, Parliament.

Unit – II

Constitution of America - (a) Historical background of the Constitution, Making of the Constitution, Nature and Salient features of American Constitution,
(b) President, Congress, Judiciary.

Unit – III

Swiss Constitution- (a) Historical background of the Constitution, Salient features,
(b) Federal assembly, Federal council, Direct democracy.

Unit- IV

Constitution of Japan –(a) Historical background , The Nature and characteristics of the Japanese, The Rights and duties of the People.
(b) The Emperor, Legislature (The Diet), Judiciary.

Unit - V

Comparative study- federal system of America and Switzerland, House of Lords and Senate, power and functions of President of America and the Prime Minister of U.K.

Suggested Readings

D.D. Basu	Constitution of India
Dr. S.C. Singh	विभिन्न संविधान
Dr. Pukhraj Jain	विभिन्न संविधान
Dr. V.P.Singh	World Famous Constitution in Hindi
M.V.Pylee	Select Constitution of the World.
D.D.Basu	Comparative Federalism.

PAPER – II

SOCIOLOGY – II (MINOR)

SOCIOLOGY OF INDIA

UNIT-1 (a). View about Indian society.

(b).The Classical Views : Verna, Ashram Karma and dharma.

(c).Field views : M.N. Shrinivas And S.C. Dubey

(d).Significance and ineterface of classical and field views

UNIT-2 (a). The structure and Composition of Indian society.

(b). structure : villages, Towns, Cities And Rural – Urban.

(c). Linkage composition : Tribes, Dalits, Women And Minorities.

UNIT-3 (a).Basic Institutions of Indian society.

(b).Caste system, kinship, family, family marriage class, changing dimensions.

UNIT-4 (a)Familial Problems .

(b) Dowry, domestic violence, divorce, intra- intergenerational conflict problem of elderly.

UNIT-5 (a)Social problems.

(b) Casteism, Regionalism, Communalism, Corruption, Youth unrest.

RECOMMENDED READING MATERIAL :

1. PELER WESSELEY - INTRODUCTION SOCIOLOGY (HERMOND-WORTH PENGUINE BOOK 1971)
2. N.K. BOSE - THE STRUCTURE OF HINDU SOCIETY (ORIENT LONGMAN-1975)
3. ROMESH THAPPER (ED)-TRIBE, CASTE, RELIGION AND INDIA (MACMILLAN) 1977.
4. MACIVER & PASE - SOCIETY.
5. DAVID GMUNDEL MAUM- SOCIETY IN INDIA (BOMBAY POPULAR PRAKASHAN, 1972).
6. ANDRI BETEILLI - THE BACKWARD CLASSES IN NEW SOCIAL ORDER (OUP 1984)
7. ANDRI BETEILLE - INEQUALITY AND SOCIAL CHANGE (OUP 1972).

8. P. GISKORT - FUNDAMENTAL OF SOCIOLOGY.
9. T.M. BOTOMER - SOCIOLOGY (GEORGE ALLEN & UNWIN BOMBAY)
10. KUSSRGSLY DAVIS - HUMAN SOCIETY
11. JOHNSON W. - SOCIOLOGY
12. M.N. SHRIBUVASAB - SOCIAL CHANGES IN MODERN INDIA
13. K.M. KAPADDIA - MARRIAGE AND FAMILY IN INDIA.
14. T.K.OOMEN & C.N. VENUGOPAL - SOCIOLOGY FOR LAW STUENT (EASTERN BOOK COMPANY, LUCKNOW)
15. INKELES ALEX - WHAT IS SOCIOLOGY ? (PRENTICE-HALL OF INDIA)
16. JAYARAM N. - INTRODUCTORY SOCIOLOGY (MAC MILLAN MADRAS)
17. HARRY M. JOHNSON -SOCIOLOGY A SYSTEMATIC INTRODUCTION BHARTIYA SAMAJ.
18. INDRA DEVA - BHARTIYA SAMAJ.
19. MADAN C.R. - SOCIAL PROBLEM IN INDIA.

PAPER – III
POLITICAL SCIENCE-IV (MAJOR)
(INDIAN GOVERNMENT AND POLICIES)

UNIT- I

Making and sources of Indian Constitution, preamble, salient features of the Constitution, Nature of constitution

UNIT – II

Fundamentals Rights and duties, directive principles of state policy, Union and State legislature – organization and functions

UNIT- III

Union Executives: (President, Prime Minister) powers and functions

State Executives: (Governor and Chief Minister) power and functions

UNIT – IV

Indian Judiciary: Organization, powers and functions, Election Commission of India importance of Local self Government (Panchayati Raj System)

UNIT – V

Indian party system, influence of religion, caste, regionalism and language on Indian politics

Suggested Readings

Ashirvadam E.
Sir E. Barker
Las
D. Held
Tripti Jain
Verma S.P.
Dr. Om Nagpal

Modern Political Theory
Principle of Social and Political Theory
Grammar of Policies
Political Theory
Foundations of Politics
Basic of Political Science
Foundations of Political Science

PAPER IV
CONTRACT - II

(Indian contract Act (See 124 to End) Sales of Goods & Partnership.

UNIT-I Indemnity & Guarantee (See 124 to 147)

Contract of Indemnity : Definition, its commencement and extent of indemnifiers liability, His right and when he can sue ? (See 124-125).

Contract of Guarantee : Guarantee and indemnity, surety consideration continuing guarantee and its revocation (see 126-132)

Discharge of surety and principle debtor, co-surety and remedy for omission (see 133 to 139).

Guarantee and Mental aspects ; Uberrima fides, liability of surety and co-surety in contribution (see 140-147) and suit by bailees or bailor against wrongdoer and apportionment of relief and compensation (see 180-181).

UNIT-II Bailment & Pledge (Sec. 148 to 181)

Bailment : Definition of Bailor and Bailee and its kinds ; mode of delivery of goods bailed, duty of bailor and bailee to each other and exemption, mixing good bailed and its consequences (sec. 148 to 157).

Repayment of expenses increased by bailor ; restoration and return of goods ; consignor as a bailor, his right to sue if consignment is not returned ; Gratuitous bailment and effect of death on it. Bailor's rights and responsibility to bailee and right of third person. (sec. 158 to 167).

Position of finders of goods, His liability towards owners ; and his obligation to keep goods safe and rig... to dispose of good (if perishable). Bailee's lien and general line of Bankers etc. (sec. 168 to 171)

Bailment of Pledge : Pawner and Pawnee ; their rights, right to redeem in case of default. Pledge by merchantile against, Pledge under voidable contract and pledgor with limited interest (172 to 179)

UNIT-III Agency - (sec. 182 to 238)

Appointment and authority of agent who is agent and principle ? Who and by whom an agent may be appointed ? Mode of appointment of agents. Duties and rights of agent and his authority, sub-agent and his position under the act, delegation of power. His responsibility towards agent and principle. (sec. 182 to 195).

Ratification its mode and its effect. Ratification of unauthorised act. Revocation of authority and its various mode termination of agency, compensation for revocation. Revocation and renunciation position of parties after termination of authorities. (sec. 196 to 210).

Agents various duties towards principles, position when agents remuneration is due ? and Agents lien in principal's property. (sec. 211-221).

Principles duty to agent : His right to be indemnified against consequences of lawful act and acts done in good faith and for negligent act of principal, Principals liability for ultra vires act of agent, agent is not personally liable on behalf of principal, liability of the principal for acts of agent including misconduct of the agent. Effect of Fraud and his representation of the agent. (sec. 222-238).

UNIT-IV Sales of Goods : Partnership :

Sales of goods act 1930 (Whole Act) which includes concept of sale on contract instances of sale of good and the nature of such contract, essentials of contract of sale, essential condition in every contract of sale, implied terms in contract of sale, the sale of caveat emptor and the exceptions there to under the sales of goods act. Changing concept of caveat emptor. Effect and meaning of implied warranties in a sale, transfer of title and passing of risk. Delivery of goods : various rules regarding delivery of goods. Unpaid seller and his rights. Remedies for breach of contract.

Partnership Act 1932

Provisions of Indian Partnership Act 1932, including - definition and nature of partnership. Advantage and disadvantages vis a vis partnership and private limited company. Mutual relationship between partners. Authority of partners, admission of partners, outgoing of partners. Registration of partnership & Dissolution of partnership.

UNIT-V Leading Cases relating to the Paper

- (1) Bank of Bihar v. Dr. Damodar Prasad (AIR, 1969 SC. 297)
- (2) Lallan Prasad v. Rahmat Ali (AIR 1967, SC 1322)
- (3) PSNS Ambalrana Chettiar Co. v. Express News Papers Ltd.,
Bombay (AIR 1968, SC 741)
- (4) K.K. Shah v. Mrs. K.B. Dadiba (AIR 1970 S.C. 1147)
- (5) Bina Murlidhar Hunde V. Kanahiyalal Lakram Hunde (AIR 1999 SC 2171)
- (6) M/s. Lalliwai Biharilal v. Rambaboo Vaishya (AIR 1990 M.P.

64)

- (7) Premlata v. M/s. Ishwar Das Chamanlal (AIR 1995 S.C. 714)
- (8) Gherulal Parekh v. Mahadeo Das (AIR 1959 S.C. 78)

Books Recommended :

1. Avtar Singh - Contract Act (2000) E.B.C. Lucknow.
2. Saharay H.K. - Indian Partnership a Sales of goods Act (2000)
3. Beatson (Ed.) - Anson's law of contract (1998) Oxford, Universal London.
4. J.S. Khergarwala - Negotiable Instrument Act
5. A.G. Guest (Ed.) - Benjamin's Sale of Goods (1992) Sweet & Maxwell.
6. Pollock Mulla on contract (1999) Tripathi, Bombay.
7. T.R. Desai - Contract sales of goods & Partnership
8. Indian Partnership Act 1932
9. Krishann Nair - Law of Contract (1999) Orient.
10. Avtar Singh - Principles of the law of sales & goods and hire purchase (1990) E.B.C. Lucknow.
11. Rawlings - The Sales of goods Act (1998) Universal.
12. Avtar Singh - Introduction to law of Partnership

SYLLABUS FOR B.A.LL.B SEMESTER-V

S.No	Papers	Max. Marks
1	Jurisprudence and Legal Theory	100
2	Law of Torts including Motor Vehicle Act and Consumer Protection Laws	100
3	Law of Crimes –I (I.P.C.)	100
4	Law of Crimes –II (Criminal Procedure Code , Juvenile Justice Act & Probation of Offenders Act)	100
Total Marks		400

SYLLABUS FOR B.A.LL.B SEMESTER-VI

S.No	Papers	Max. Marks
1	Law of Evidence	100
2	Constitutional law -I	100
3	Constitutional law -II	100
4	Environmental law including Wild Life Protection and Animal Welfare	100
Total Marks		400

SYLLABUS FOR B.A.LL.B SEMESTER-V

PAPER - I

JURISPRUDENCE AND LEGAL THEORY

UNIT-I INTRODUCTION MEANING, NATURE AND SCOPE

- a) What is Jurisprudence? Its meaning, Nature & Scope.
- b) Its study as a basic problem concerning the law.
- c) Jurisprudence as a Normative Science its relation with other sciences
- d) Jurisprudence in Eastern scriptures both in Hindu and Muslims.

- UNIT-II**
- a) Jurisprudence and law - Definition of law its nature kind and classification.
 - b) Law and morality state & law sovereignty
 - c) Administration of justice
 - d) Sources of law Custom, Legislations, Precedents, Religion and Agreement.

UNIT-III SCHOOLS OF JURISPRUDENCE THEIR EXPONANT AND THEIR VIEWS

- a) Historical and Philosophical
- b) Analytical Legal Positivism
- c) Sociological and Economical School
- d) Pure theory of law and Realist school, Indian Legal Thinker, Manu and Kautilya.

UNIT-IV LEGAL CONCEPTS

- a) Rights and Duties
- b) Possession and ownership
- c) Person
- d) Title

UNIT-V LIABILITY PROPERTY OBLIGATION & EVIDENCE

- a) **Liability** - Definition, Nature, Kind - Civil and Criminal General conditions of liability - Negation, Their Theories Subjective & Objectives, Mental aspects, Duty of care, Standard & Care, Exemptions for Liability.
- b) **Obligation** - Definition, kinds and sources of obligation.

- c) **Property** - Its meaning and kinds and theories mode & acquisition, Its relation with law.
- d) **Evidence** - Procedural and Substantial, Element of Judicial procedure Evidence its nature and kinds.

BOOKS RECOMMENDED -

1. HLA Hart - The Concepts of Laws (Oxford) ELBS
2. Salmond - Jurisprudence (Tripathi) Bambay
3. G.W. Paton - Jurisprudence (Oxford) ELBS
4. RWM Dias - Jurisprudence (Indian Rep.) (Aditya), New Delhi.
5. V.D. Mahajan - Jurisprudence Legal Theory (EBC), Lucknow
6. W. Fridmann - Legal Theory (1999) (Universal) Delhi.
7. S.N. Dhyani - Jurisprudence - A study of Indian Legal Theory (Metropolitan), New Delhi.

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PAPER –II
LAW OF TORTS INCLUDING MOTOR VEHICLE ACCIDENT ACT &
CONSUMER PROTECTION LAWS

UNIT-I LAW OF TORTS

Definition, Nature, Scope, Object & General Principles of Law of Torts:

Historical Background of law of Torts - Evolution in England and India, Form of Action and its un-codified characters. It's Indian Origin from the principles of equity justice and good conscience.

Definition Torts : Its comparison with crime and breach of contract, its nature, purpose and functions, general principles of liability, its kinds, *damnum sine injuria* and *injuria sine damnum*. General Elements in torts - Acts and omission voluntary and non-voluntary act.

Mental Element in torts - Malice, intention, negligence, motive, recklessness, carelessness, *malafide*, *malfeasance*, *misfeasance*, non-feasance and fault.

UNIT-II Immunities, Justification, Remedies, Discharge and Effect of Death.

Immunities from tortious liability. Justification and defences in action of torts - Act of God Act of State, Judicial act, inevitable accident, Private defence, necessity, consent, leave and license.

Remedies - damages and its kind, quantum of damages, injunction and its types, Specific restitution of property, joint-tort feors, contribution between wrongdoer, remedies under constitution and compensation as prescribed by statutes, self help, distress damage feasant, discharge of torts - by accord and satisfaction, waiver by election, release acquiescence judgment recovered and statute of limitation and effect of death on tort claim.

Wrongs relating to person & property relations; rights:

Wrongs relating to person, assault, battery, false imprisonment and malicious prosecution. Wrong relating to domestic and other rights. Intimidation and conspiracy, fraud and deceit.

Wrongs relating to immovable - trespass to land, trespass by animal, trespass conversion and detention.

UNIT-III NEGLIGENCE, Nuisance, Defamation and Liability for Wrongs Committed by Others:

Negligence - Its nature, condition and exception, negligence of various persons is occupied, carriers counsel, doctors, animal,

keepers, dangerous goods holder, street and statutory duty and contributing negligence.

Nuisance - Nature classification and kind injury to property and remedies.

Defamation - Its kinds libel and slander, its definition and essentials, repetition, defences in defamation and remedies for defamation.

Liability for wrongs committed by others - liability by ratification by relations i.e. master and servants, principal and agent, owner and independent contractor, liability of the State, doctrine of common employment, liability for abatement, absolute and strict liability.

UNIT-IV THE MOTOR VEHICLES ACT, 1988:

Introduction- aims and objects of M.V.A, title, extent and commencement of the act with modification, definitions, licensing of drivers of motor vehicles(Ss 3-28), licensing of conductors of stage carriages,(Ss 29-38), registration of motor vehicles,(Ss 39-65), control of transport vehicles,(Ss 66-96), control of traffic,(Ss 112-138), liability without fault in certain cases,(Ss 140-144), insurance of motor vehicles against third party risk,(Ss 145—164), claims tribunals,(Ss 165-173), offences, penalties and procedure,(ss174-205), power of police officer to impound documents and detain vehicles used without certificate of registration, permit etc., summary disposal of cases, appeal and revision on orders passed by original authority,

The first schedule and the second schedule.

UNIT-V THE CONSUMER PROTECTION ACT, 1986

Introduction- Aims, object and scope of Consumer Protection ACT, Definitions, Central Consumer Council, State Consumer Council.

Consumer Disputers Redressal Agencies- Composition, Jurisdiction and function of district forum, State Commission and National Commission, Procedure adopted in dealing with complaint and appeal cases, Enforcement and execution of orders by Consumer Fora under section 25 and 27 of Consumer Protection ACT,1986.

LEADING CASES:

1. Indian medical association vs. V.P. Shantha (AIR1896 SC530)
2. Lucknow Development Authority vs. M.K. Gupta (AIR1994 SC787)
3. Kasturi lal Ralia Ram vs. State of U.P. (AIR 1955, S.C.1939)

4. Saheli & woman resource centre vs. commissioner of police (AIR1990 S.C.51)

5 M.C. Mehta vs. Union of India (AIR1987 SC1086)

Books Recommended:

1. Ratanlal Dhirajlal - The law of torts (1997), Wadwa Nagpar.
2. Winfield and Jolowitz - on Torts (1999) Sweet & Maxwell, London.
3. Salmond and Houston - Tort (1999) Butterworth, London.
4. P.S. Achutan Pillai - The Law of Torts (2004) E.B.C. Lucknow.
5. D.N. Saraf - Law of consumer protection in India (1995) Tripathi.
6. P.R. Majundar - Law of consumer protection in India (1998) Orient, New Delhi.
7. Ramaswami Aiyer - Law of Torts (1999) Tripathi, Bombay.
8. M.D. Chaturvedi – Apkrtyo ki vidhi (1998) EBCL (in Hindi)

PAPER – III
LAW OF CRIMES

UNIT-I HISTORY EXPLANATION PUNISHMENT & GENERAL EXCEPTIONS

- (a) History of Criminal Law & Applicability of Indian Penal Code, Salient Feature of IPC (Sec. 1 to 5)
- (b) General Explanation and definition in the code (Chapter II)
- (c) Important section relating to punishment - its nature, simple & rigorous punishment solitary confinement . Fine General rules of commutation and termination of punishment on payment of fine, limit of punishment in several offences. Discretion in awarding punishment.
- (d) General exceptions - factors negating guilty intention, mental incapacity, minority, insanity involuntary intoxication.
Private defence - When private defence extent to causing the death to protect body and property, necessity and mistake of fact, (Sec. 76 to 106)

UNIT-II ABETMENT CRIMINAL CONSPIRACY AND OFFENCES AGAINST THE PUBLIC TRANQUILITY AND PUBLIC HEALTH AND OF FALSE EVIDENCE (Chapter V, V-A, VIII, XI)

- a) Abatement - Abettor etc. (Chap. V)
- b) Criminal Conspiracy (Chap.VA) and sedition (Chap. 124A)
- c) Offences against the public tranquility safety and health - Unlawful assembly, Rioting, Affray, Public Nuisance, Adulteration, Rashly Driving & Obscenity.
- d) False Evidence - Giving false evidence and fabricating false evidences & Harboring offenders.

UNIT-III OFFENCES AGAINST HUMAN BODY (Chapter XVI)

- a) Culpable Homicide, Murder, Distinction between culpable homicide and murder, mental element required for murder, situation justifying, treating murder as culpable homicide not amounting to murder, Grave and sudden provocation, causing death by negligence and dowry death. (Sec. 299 to 304b)
- b) Injuries to unborn children - Miscarriage with or without consent. Rash and Negligent act causing death (Sec. 312-317)
- c) Hurt - Grievous and simple, voluntarily and involuntarily and on provocation, wrongful restraint and wrongful confinement. (Sec. 349 to 358)

- d) Criminal force and assault, Kidnapping from lawful guardianship and from outside India. Abduction (Sec. 359 to 362) Rape, custodial rape and unlawful offences.

UNIT-IV OFFENCES AGAINST PROPERTY (Chapter XVII)

- a) Theft, Extortion Robbery & Decoity and its various forms.
- b) Criminal misappropriation of Property, Criminal Breach of trust and receiving stolen property and its various forms and manners. (Sec. 403-414)
- c) Cheating and cheating by persons and dishonesty fraudulent removal and disposition of property. (Sec. 415-424)
- d) Mischief, Mischief by hurt and intimidation, criminal trespass, house trespass and its form, House breaking and its forms.

UNIT-V OFFENCES RELATING TO DOCUMENTS, MARRIAGE REPUTATION AND HONOUR

- a) Forgery and its various forms Making false documents, Property marks and Bank notes.
- b) Cohabitation with other women, except lawful marriage Adultery (Chap. XX)
- c) Defamation (Sec. 499)
- d) Criminal intimidation insult and annoyance (Chapter XXII) and attempts to commit offences. (Sec. 511)

BOOKS RECOMMENDED -

1. S.M. Mishra - Indian Penal Code - Latest Ed. Universal, Delhi.
2. Ratanlal Dhirajlal - Indian Penal Code - 39th Ed. Student Ed., Wadhwa, Nagpur.
3. Ratanlal Dhirajlal - India Penal Code (Hindi) - Wadhwa, Nagpur 350.00.
4. K.D. Gaur - A Text Book on the India Penal Code (1998), Universal Delhi.

PAPER – IV

Cr. PC JJA & PROBATION OF OFFENDERS' ACT

UNIT-I INTRODUCTION, CONSTITUTION AND POWERS OF COURTS AND OFFICERS, PROCESSES TO COMPEL, APPEARANCE AND THE PRODUCTION OF THINGS

- a) Introduction definition and constitution of criminal court and offices. (Sec. 1-25).
- b) Powers of courts and superior officers of police and aid to the magistrate and police (Sec. 26-40).
- c) Power of police to arrest persons, arrest by private person and arrest by magistrate, Right of the arrested person, Right to know the grounds of arrest and Right to be taken to magistrate without delay and may not be detained for more than 24 hours and his other rights. (Sec. 41-60)
- d) Processes to compel appearances of persons and production of things, summon and warrant, How these are served ? The procedure of its execution, Proclamation and attachment, search warrants, seizure and other provisions relating to production of things. (Sec. 91-105)

UNIT-II SECURITY FOR KEEPING PEACE & MAINTENANCE PREVENTIVE ACTION, INVESTIGATION, INQUIRY & TRIAL & CONDITIONS FOR INITIATION OF PROPERTY

- a) Security for keeping the peace and good behavior, maintenance of wife and children. (Sec. 106-128)
- b) Maintenance of public order and tranquility, unlawful assemblies, public nuisance, urgent cases of nuisance or apprehended danger. (Sec. 144). Dispute related to immovable property. (Sec. 129-148)
- c) Preventive action of police officers and their power to investigate, FIR and its evidentiary value (Sec. 145-157 of Evidence Act), Recording of confessions (sec. 164), Search and its procedure. (Sec. 149-176)
- d) Jurisdiction of criminal courts in inquiries and trial - Place of inquiry and trial and condition requisite for initiation of proceedings. (Sec. 177-199)

UNIT-III COMPLAINT, CHARGES, TRIALS BEFORE SESSION & MAGISTRATES, WARRANT AND SUMMONS CASE & SUMMARY TRIALS

- a) Complaints and commencements of proceedings before magistrate (Sec. 200-210)
- b) The charges - forms and Joinder of charges, Trial before court of session. (Sec. 211-237)
- c) Trials of warrant and summon case before magistrate. (Sec. 238-259).
- d) Summary Trials and attendance of person confined and detained in person. (Sec. 260-271), and accused of unsound mind. (Sec. 328-339).

UNIT-IV PROVISIONS RELATING TO JUDGEMENT, BAIL, APPEALS, REFERENCE, REVISION AND TRANSFER OR CASES ETC.

- a) Provisions relating to judgments, its forms and contents. (Sec. 353-371)
- b) Appeals, revision and reference. (Sec. 372-405)
- c) Transfer of cases and Execution, suspension, Remission and commutation of sentences. (Sec. 413-435)
- d) Provision relating to Bail and Bonds. (Sec. 436-450)

UNIT-V JUVENILE JUSTICE (CARE & PROTECTION OF CHILDREN ACT 2000 & PROBATION OF OFFENDERS ACT 1958.

- a) Definitions of Juvenile etc under JJ (C & P of C) Act 2000, Juvenile justice Board and its procedure Observation Homes, Special Homes for Juvenile in conflicts of law, Escaped juvenile child welfare committee and its power and duties (Sec. 1-40)
- b) Rehabilitation and Reorientation process - adoption, Foster care and after care organization and other important miscellaneous provisions (Sec. 41-70)
- c) Probation of offenders' Act 1958 - Meaning and definition of Probation, its nature and history.
- d) Admonition and Exemption from punishment below 21 years of age, Power of probation officer and his duty under the Act. (Sec. 1-19)

BOOKS RECOMMENDED -

- 1. D.D. Basu - Criminal Procedure code 1973, Rs. 400.00.
- 2. Ratanlal Dhirajlal -Criminal Procedure Code 17th Ed. 2004, Wadhwa, Nagpur.
- 3. Woodroffe - Commentaries on Code of Criminal Procedure. 2 Vol. 2000, Universal, Delhi.

SYLLABUS FOR B.A.LL.B SEMESTER-VI

PAPER – I

LAW OF EVIDENCE

UNIT-I INTRODUCTION, INTERPRETATION, CONCEPTIONS AND RELEVANCY (Chapter I & II)

- a) Introduction- Main feature of the Indian Evidence Act. Problem of Applicability of Evidence Act.
- b) Types of Evidence - Oral, Written and Circumstantial evidence, Medical evidence and evidence of relatives, Eye witness, Chance witness and child witness and direct witnesses.

- c) Standard of proof and presumption - May presume, shall presume, conclusive proof, proved, disproved and not proved.
- d) Relevancy of facts - Doctrine of resgestae (Sec. 6, 7, 8, 10). Evidence of common intention (Sec. 10). The problem of relevancy of "otherwise" irrelevant facts (Sec. 11). Relevant facts for proof of custom (Sec. 13) Facts concerning body and mental state. (Sec. 14 & 15)

UNIT-II ADMISSION, CONFESSION AND DYING DECLARATION AND STATEMENT MADE UNDER SPECIAL CIRCUMSTANCE (Sec. 17 to 39)

- a) Admission - General principles concerning admission (Sec. 17 to 23)
- b) Confession - Difference between admission and confession, non admissibility of confession caused by inducement, threat and promise and confession made before a police officer, Admissibility of custodial confession and other section relevant to confession. (Sec. 24-31)
- c) Dying Declaration - The justification for relevance on dying declaration. The judicial standard for appreciation of evidentiary value of dying declaration (Sec. 32 & 33)
- d) Statement made under special circumstance and how much of a statement is to be proved, (Sec. 34-39)

UNIT-III RELEVANCY OF JUDGEMENT, CHARACTER AND EXPERT TESTIMONY

- a) Relevancy of judgment - General principles, Admissibility of judgment in civil and criminal matter. Fraud and collusion in obtaining judgment (Sec. 40-44).
- b) Expert testimony - General Principles, Who is an expert ? Type of Expert evidence.
- c) Opinion of relationship when relevant - specially proof of marriage and opinion as to the existence of right or custom or usage and tenancy and problem of judicial defence to expert testimony. (Sec. 45-51)
- d) Relevancy of character in civil and criminal cases. (Sec. 52-55)

UNIT-IV ORAL AND DOCUMENTARY EVIDENCE, PRESUMPTION AND EXCLUSION (Chapter IV, V & VI)

- a) Oral Documents and how it is proved ? requirement for valid and admissible oral documents. (Sec. 59-60)
- b) Documentary Evidence - General Principles, public and private documents, How it is proved ? (Sec. 61-78)

- c) Presumption as to documents of various types and kinds. (Sec. 79-90).
- d) Exclusion of oral by documentary evidence. (Sec. 91-99)

UNIT-V THE BURDEN OF PROOF, ESTOPPEL, WITNESSES, EXAMINATION AND CROSS EXAMINATIONS (Part III)

- a) The burden of proof - Facts which need not be proved. (Sec. 56-58), General Conception of onus, General and Special presumption and exception as to onus, presumption as to dowry death etc. (Sec. 101-114A)
- b) Estoppel and witnesses - Estoppel by deed and estoppel by conduct, equitable and promissory estoppel. (Sec. 115-117). Various kinds of witness, communication - privileged and confidential Accomplice and information as to the commission of offences. (Sec. 118-134)
- c) Examination of witnesses - General principles of examination, cross and re-examination, Leading questions (Sec. 141-143), Lawful question etc.
- d) Cross examination of witness - General Principles of cross examination, lawful questions in cross examination, (Sec. 141-146), Compulsion to answer questions put to witness, Hostile witness impeaching of the standing and or credit of witness (Sec. 135-166)

Books Recommended -

1. Ratanlal Dhirajlal - Law of Evidence, 21th Ed. 2004, PB, Wadhwa, Nagpur.
2. Sarkar - On Evidence (2 Vol.) 15th ed. 2002, Wadhwa, Nagpur, 2390=00
3. Avatar Singh - Principles of law of Evidence, Universal, Delhi.
4. Vepa P. Sarathi - Law of Evidence EBC, Lucknow.

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PAPER-II
CONSTITUTION LAW-I

CONSTITUTIONAL LAW OF INDIA

- UNIT-I Philosophy of Constitution, Definition and Classification, Main features of Federal and Unitary Constitutions, Nature and Salient features of Indian Constitution, Welfare State, Preamble of the Indian Constitution, Union and its Territory(Art. 1-4), Formation of New States, Citizenship(Art. 5-11).
- UNIT-II State, Fundamental Rights and their position under the Constitution, Right to Equality, Right to Freedom, Right against Exploitation, Right to Freedom of Religion, Cultural and Educational Rights, Right to Constitutional Remedies including Public Interest Litigation(Art.12-35)
- UNIT-III Directive Principles of State Policy, their relevance, Comparison with Fundamental Rights, Classification of Directive Principles of State Policy, Correlation between Fundamental Rights(Art.36-51) Fundamental Duties(Art.51-A).
- UNIT-IV Union Executive- President, Vice President, Council of Ministers, Attorney General, and conduct of Government Business (Art. 52-78). Union Legislature (The Parliament)-Constitution, Composition, Duration of Houses, Qualification of Members and other General Provisions, Officers of the Parliament(Art. 79-104),Powers, Privileges and immunities of the members (Art. 105-106),Legislative Procedure including procedure in financial matters(Art. 107-122), Legislative Powers of the President(Art. 123), Union Judiciary- Supreme Court of India(Art. 124-144), Comptroller General of India(Art.148-151)
- UNIT-V State Executive-Governor, Council of Ministers, Advocate General for the State, Conduct of Government Business(Art. 152-167) State Legislature-Constitution, Composition, Powers, Privileges and immunities of State Legislatures and their Members, Legislative Procedure(Art. 168-212) Legislative Powers of Governor(Art. 213)

State Judiciary- High Courts in the States and Subordinate Judiciary (Art. 214-237):

LEADING CASES:

- (1) Meneka Gandhi Vs. Union of India, AIR 1978 SC 597
- (2) Hussainara Khatoon Vs. Home Secretary, State of Bihar AIR 1979 SC 1396
- (3) J.R. Kohli Vs. State of Tamil Nadu, AIR 2007 SC 861

RECOMMENDED BOOKS:

- | | | |
|---|-----------------|-------------------------------|
| 1 | V.N. Shukla | Constitution of India |
| 2 | J.N. Pandey | Constitutional Law of India |
| 3 | M.P. Jain | Constitution of India |
| 4 | D.D. Basu | Shorter Constitution of India |
| 5 | Kagzi's | The Constitution of India |
| 6 | M.D. Chaturvedi | Bharat Ka Samvidhan (Hindi) |

Paper-III

**CONSTITUTIONAL LAW-II
CONSTITUTIONAL LAW OF INDIA**

- UNIT-I Administration of Union Territories (Art. 239-241), The Panchayats-Definitions, Gram Sabha, Constitution and Composition of Panchayats, Reservation of Seats, Duration, Disqualifications for Membership, Powers, Authority and responsibilities of Panchayats (Art. 243-243-O) The Municipalities-Definition, Constitution and Composition of Municipalities and Wards Committees, Reservation of Seats, Duration, Disqualifications for Membership, Powers, Authority and responsibilities of Municipalities, Power to impose Taxes, Finance Commission etc. (Art. 243-P-243-ZG)
The Scheduled and Tribal Areas (Art. 244-244-A)
- UNIT-II Relations between Union and the States-Legislative Relations (Art. 245-255)
Administrative Relations, Disputes Relating to Waters and Co-ordination Between States (Art. 256-263), Provisions Regarding Finance (Art. 264-279)
Finance Commission (Art. 280-281) Miscellaneous Financial Provisions (Art. 282-290) Borrowing by the Government of India and the States (Art. 292-293), Constitutional Provisions Regarding Property, Contracts, Rights, Liabilities Obligations and Suits (Art. 292-300)
Right to Property (Art. 300-A)
- UNIT-III Trade Commerce and Intercourse (Art. 301-307) Service under the Union and the States (Art. 308-313) Public Service Commissions (Art. 315-323) Administrative Tribunals and Tribunals for other Matters (Art. 323-A-323-B), Provisions regarding Election and Election Commission (Art. 324-329), Special Provisions regarding to certain Classes (Art. 330-342)
- UNIT-IV Official Language-Language of the Union, Regional Languages, Language of the Supreme Court and the High Courts etc, Special Directives as to Languages (Art. 343-351), Emergency Provisions (Art. 352-360) Miscellaneous Provisions (Art. 361-367), Amendment of the Constitution (Art. 368), Temporary, Transitional and Special Provisions (Art. 369-392), Short Title, Commencement, Authoritative Text in Hindi and Repeals, All Schedules and Amendments.
- UNIT-V **Leading Cases:**

- (1)- P.L.Dhingra Vs. Union of India, AIR 1958 S.C. 36
- (2)- T.N. Seshan Vs. Union of India (1995) 4 SCC 611
- (3)- Minerva Mills Vs. Union of India AIR 1980 S.C. 1789.

RECOMMENDED BOOKS:

- | | | |
|---|-----------------|-------------------------------|
| 1 | V.N. Shukla | Constitution of India |
| 2 | J.N. Pandey | Constitutional Law of India |
| 3 | M.P. Jain | Constitution of India |
| 4 | D.D.Basu | Shorter Constitution of India |
| 5 | Kagzi's | The Constitution of India |
| 6 | M.D. Chaturvedi | Bharat Ka Savindhan(Hindi) |

PAPER – IV

**ENVIRONMENTAL LAWS INCLUDING WILD
LIFE PROTECTION AND ANIMAL WELFARE**

UNIT-I ENVIRONMENT & POLLUTION

- a) What is environment? What is Pollution?
- b) Types of Pollutions - its causes and effect;
- c) AIR, WATER, SOIL, MARINE and NOISE Pollution.
- d) Thermal Pollution and Nuclear Hazardous.
- e) Pollution and Controlling Measure
Water (Prevention and Control of) Pollution Act, 1974
AIR (Prevention and Control of) Pollution Act 1981.
Relevant Provisionms of IPC 1860 i.e. S. 188.268, 269, 272.
277, 288, 290, 430.

UNIT-II ENVIRONMENTAL PROTECTION OF POLLUTION

- a) Pollution Protecting agencies their power and functions.
- b) Means of Protections and Sanctions in various Acts.
- c) Protection of Bio-Diversity.
Legal Control - ECO friendly experimentation on animal
plant, seed and micro organism, Disposal of Hazardous waste.
- d) Emerging Protection through delegeted legislation.
- e) Environment Protection (Act 1986)

UNIT-III INTERNATIONAL CONCERN ON ENVIRONMENT

- a) Global conferences in environment e.g. - Stock Holm (1972)
Nairobi Decembver 1982.
&Rio conferences (Prithvi Conferences) (1992) etc.
- b) Ozone depletion. Vienna convention for Protection of the
Ozone Layer (1985) its causes and effect on Earth, Green
house effects, wet lands Mangrove etc.
- c) U.N. Declaration on Right to development.

UNIT-IV WILD LIFE ANIMALS & ENVIRONMENT

- a) Wild life, sancturies and National Parks.
- b) State Monopoly in the sale of wild life and wild life articles.
- c) Offences against wild life.
Wild life (Preservation) Act 1959.
Wild life Protection Act 1972 with amendment.
- d) Forest conservation Act 1980.
Prevention of cruelty to Animal Act 1960.

UNIT-V ENVIRONMENT AND JUDICIARY

- a) Morena Mandal Sahkari shakkar karkhana Society Vs. BIP Board of Prevention of Water Pollution (1993) M.P.L.J. 270.
- b) Suresh Kumar Vs. State of Bihar AIR 1991 SC 420.
- c) M.P. Rice Mills Association Vs. State of M.P. 1999.
- d) Sntosh Kumar Singh Vs. Secretary Ministry of Environment New Delhi 1997(2) M.P.L.J. 602.
- e) M.C. Mehta Vs. U.O.I. (1994) S.C.C. 750.

Books Recommended -

1. Trivedi R.K. & P.K. Goel-Introduction to Air Pollution (Techno Science Publication).
2. Jadhav & Bhosle V.M. -Environmental Protection and Laws (Himalaya Publishing House, Delhi)
3. Clark R.S. - Marine Pollution (Cleradon Press Oxford)
4. Cenningham W.P. Cooper, T.H. Gorhani & Hepworth M.T. -
Environmental Encyclopeadia (Jaico Publishing House, Mumbai - 1196 P.)
5. Rao R.N. & Dutta A.K.- Waste water Treatment (Oxford & IBH) 1987.
6. R.B. Singh & Suresh Mishra- Environmental Law in India (Concept Publishing Co. (New Delhi 1996).
7. Leela Krishnan P. (Ed.) - Law & Environment (EBC Lucknow 1990)
8. Leela Krishnan P.P. - The Environmental Law in India Butterworth India (1999)
9. Nagendra Singh - Environmental Law in India (1986)
10. Suresh Jain - Environemntal Law in India (1986)
11. B.L. Babel - Environmental Protection Law 1997.
12. Kailash Thakur - Environmental Protection Law & Policy in India (Deep & Deep Publishing Co., New Delhi (1977)).

13. R.K. Trivedi - Hand Book of Environmental laws, Rules Guidelines Compliance and standard Vol. I & II.

SYLLABUS FOR B.A.LL.B SEMESTER-VII

S.No	Papers	Max. Marks
1	Family Law-I Hindu law	100
2	Family Law-II Muslim law	100
3	Administrative Law & Right to Information Act	100
4	Law of Equity and Indian Trust Act, 1882	100
5	(Practicals) : Professional Ethics and Professional Accounting System.	
Total Marks		500

SYLLABUS FOR B.A.LL.B SEMESTER-VIII

S.No	Papers	Max. Marks
1	Labour and Industrial Law-I	100
2	Labour and Industrial Law-II	100
3	Human Rights and Public International Law	100
4	Insurance Law	100
5	(Practicals) : Alternative Disputes Resolution	100
Total Marks		500

SYLLABUS FOR B.A.LL.B SEMESTER-VII

PAPER – I

HINDU LAW

UNIT-I Nature, Origin, Sources, Applicability and General Principles of Inheritance :

Nature and origin of Hindu law, applicability of Hindu Law sources of Hindu law - Smritis and their commentaries, custom, legislation, judicial decision, equity, justice and good conscience as a source, general principle of inheritance (prior to Hindu succession Act 1956) in Mitakshra law and Dayabhaga School and difference between Mitakshara and Dayabhaga succession and the Hindu Marriage Act 1955. (doctrine of representation & spēs successionis)

UNIT-II Schools, Joint Hindu Family, Coparcenary adoption and provisions of Hindu Adoption and Maintenance Act 1956.

Schools of Hindu Law - Mitakshra and Dayabhaga and their sub-schools, difference between the Mitakshra and Dayabhaga school, comparison between them, Migration and the schools of law.

Joint Hindu Family - Origin, growth, nature and constitution members of J.H.F. and property of J.H.F.

Coparcenary - its nature, distinction between J.H.F. and coparcenary, rights of coparcener, Karta, his powers and duties, alienation of property comparison between Mitakshara and Dayabhaga law. Debts - its liability to pay, nature and duration of liability, doctrine of pious obligation and antecedent debt, Bengal rule of Dayabhaga law, rule of Damdupat.

Adoption - Object form and requirement of valid adoption. Persons who may lawfully take in adoption - adoption by widow under authority from his husband, nature and form of authority, general rules as to adoption by widows, and termination of widows power to adopt Persons lawfully capable of giving in adoption & persons who may be lawfully taken in adoption only son, orphan, stranger, adoption by two persons, simultaneous result and effect of adoption, right of adopted son in property Maintenance under Hindu Law and provision of Hindu Adoption and Maintenance Act 1956, and changes made by this Act.

UNIT-III Partitions, Stridhan, Women's Estate Gift & Hindu Succession Act 1956

Partition - Meaning of partition, partition and family arrangement, person entitled to partition, property liable to partition. Allotment of share, final shares, reopening of partition and reunion point of

similarity and distinction Mitakshara and Dayabhaga partial partition, its effect.

Stridhan : its meaning, kinds, special feature and characteristics, enumeration of stridhana, rights of a women over her stridhan, general rule to succession, common to all school, succession to stridhana, under Mitakshra and Dayabhaga school, maidens property.

Women's Estate - its meaning, nature and sources. Incidents of widow's estate, power of alienation, reversion, compromise surrender and setting aside. Unauthorised alienation and effect of Hindu Succession Act 1956.

Gift - its definition under T.P. and Hindu law. its subject matter, essential of valid gift, restriction and revocation. 'donatio mortis causa' and gift to trust and Provision of Hindu Succession Act 1956.

UNIT-IV Wills imparatible estate, religious and charitable endowments and H.M. Act 1955 & H.M. & G. Act 1956 :

Wills- Its definition, person capable of wills, property as a subject matter of wills, under mitakshara and Dayabhaga law revocation and alteration of wills. Bequest to unborn person when it is void ? Rules against perpetuity, latter of administration and probate.

Impartible estate - its definition, origin and nature, rules of succession and seperation of impartible estate.

Religious and charitable endowment- Essential of endowment kinds- idol, math, devasthanam, and Dharemshala, Mahant, Hindu Marriage Act 1955 & Hindu and Minority & Guardian ship Act 1956.

UNIT-V Some codified laws relating to Hindu & Leading Cases

Special Marriage Act 1954 (Whole Act)

Dowry Prohibition Act 1981 (Whole Act)

Family Courts Act 1984 (Whole Act)

Following Leading cases has been prescribe.

1. Shri Narayanlal V. Shridhar AIR 1996, SC 2371.
2. Jogendar Singh V. Smt. Jogender AIR 1998 SC, 1654.
3. KisanLalV.State (2000) ISCC 310.
4. Rameshwari Devi V. State of Bihar AIR 2000 SC 735 (739).
5. Balwant Kaur V. Chaman Singh AIR 2000 SC 1908-12.
6. Digamber Adhar Patel V. Dev Rani Girdhari Patel AIR (1995) SC 1728.

Books Recommended :

1. R.K. Agrawal - Hindu Law, C.L.A., Allahabad.
2. Paras Diwan - Modern Hindu Law (Universal).

3. S.T. Desai (Ed.) - Mulla Hindu Law (1996), Butterworth, India.
4. Paras Diwan - Law of adoption, minority, guardianship and custody (2000) Universal.
5. Basu N.D. - Law of succession (Universal).
6. Paras Diwan - Law of intestate and testamentary succession (1998), Universal.

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PAPER II

FAMILY LAW II

MUSLIM LAW

UNIT-I History, Origin Development Sources and Schools of Muslim Law

Historical background of Islamic law - its origin and comparison with other personal laws. Who is Muslim ? Prophet and his companion, his tradition, development of muslim law.

Sources of muslim law- Primary sources Quran, Hadis, Ijma, Kyas, secondary sources- custom judicial decision legislation, comparison with sources of Hindu law.

Schools (section and sub-section) of Muslim law - Sunni School - Hanafi, Maliki, Shafai and Hambali, Shia School and their sub-sections, difference between both Shia and Sunni on important matter. Effect of conversion to Islam and Apostasy.

UNIT-II Marriage Dower (Mehr) and Divorce :

Marriage (Nikah) - Its object and nature, requisite and condition for valid marriage. Effect of incapacity absolute, relative and declaratory, kind of marriage, option of puberty. Restitution of conjugal rights muta marriage, difference between Shia & Sunni law and marriage.

Dower (Mehr)- Definition, nature & classification of dower law of shia sect on dower, confirmation of dower, remission of dower, non-payment of dower effect of apostasy on mehr liabilities of heir for dower, dower as a debt. widows rights in case of non-payment of dower, Kharchi-i-pandan, & Mehr-i-misl.

Divorce (Talaq)- Quranic provisions regarding talaq kind, nature, classification and effect of divorce on the parties, apostasy and conversion as ground of divorce, Iddat utility its rationale and utility divorce through agreement or by mutual consent Khula, Mubarat, Ila & Zihar, Lian; Effect of false charges of adultery. Talaq-i-Tafwid, Fask (Annulment of marriage by court) provision of dissolution of Muslim marriage Act. 1939. Legal Effect of Divorce, Difference between Shia & Sunni Law on Divorce.

UNIT-III Parentage, Legitimacy & Acknowledgement, Guardianship and Maintenance :

Parentage - Maternity and paternity. How it is established ? Legitimacy and acknowledgement, acknowledgement as a proof Of legitimacy, prescription of legitimacy condition of valid acknowledgement and its effects. Position of adoption in Muslim Law ? A comparison between acknowledgement and adoption.

Guardianship (Vilaya) - Concept of guardianship in Islam. Appointment of guardian. Their kinds age of majority, disqualification of guardian, guardianship of property. Power of guardian to dispose of to purchase and to alienate the immovable property of the minor.

Maintenance (Nafaqa)- Introduction, definition and quran decree regarding maintenance, Person entitled to maintenance. Relevant provision of Muslim women (Protection of right on divorce) Act 1986.

UNIT-IV Succession Administration Inheritance and Wills :

Succession- General rule of succession and exclusion from succession.

Administration - Administration of the estate of a deceased. Provision of Indian succession act 1925.

Inheritance- General rule of Inheritance (sunni & shia) Position of birth right and heritable property. Principle of renunciation and transfer of chance of succession (spes succession) vested inheritance classification of heirs- sharer, residuary and distant kindred. Their share and distribution of property. Doctrine of increase (Aul) Return (Radd) and position of rules relating to (shia & sunni) illegitimate child, missing person, acknowledge kinsman, universal legatee & successor by contact eldest son and childless widow.

Wills- Person capable of making wills, its forms, position of heir on wills, limit of testamentary power, abatement and lapse of legacy, subject of legacy, position of unborn person in wills, various kinds of bequest i.e. bequest in future, contingent and conditional alienation, revocation of bequest, its types, position of probate and letter of administration is case of muslim wills.

UNIT-V Marzul Maut Hiba & Waqf and Pre-emption & Leading Cases

Marzulmaut- Death bed gift, its condition for validity acknowledgement of debt at death-bed. Hiba (gift)- Definition, capacity of making gift extents of donors powers. Gift to unborn person, gift with intent to defraud creditor, position of gifts i.e. - gift of actionable claim and incorporeal property, gift of equity of redemption, gift of property held adversely to donor, requisite for gift and essential of gift (declaration acceptance & delivery of possession), Gift of movable and immovables and corporeal & property and incorporeal property and actionable claim, gift in family and out of family, gift to bailee to two are more donee : Mushaa, conditional & contingent gift, gift in future, revocation of gift, Gift with exchange (Hiba-bil-iwaz) Hibh-ba shartul iwaz, sadaqah areeat.

Waqf- Definition, object and subject of waqf, condition for valid waqf, doctrine of cy-pres. Form and kind of waqf, waqf how completed ? Revocation of waqf, contingent waqf, waqf aald aulad, alienation of waqf property, muttawalli- his appointment power and function & renewal and provision of waqf act 1995, Khanqah, imambara, sajjadanashir kazi, takiya.

Pre-emption- its nature and kind, who may claim it, its requisite and condition.

Leading Cases :

1. Kapoor Chand v. Kedarunnisa (AIR 1953 S.C.413)
2. Janjira Khatoon v. Mohd. Fakrulla (AIR 1922 Cal 429)
3. Habibur Rahman v. Atafali (AIR 1922 PC 159)

4. Maina Bibi v. Chawdhari Vakil Ahme... 673 (PC) (AIR 1925 PC 63)

5. Ms. Jorden Diegdeh vs. S.S. Chopra (AIR 1985 SC 935)

Recommended Books :

1. Syed Khalid Rashid - Muslim law - EBC Lucknow (Hindi English)
2. A.A.A. Fyzee - Outline of Muhammada law (1998)
3. A.M. Bhattacharya - Muslim law and the constitution
4. Aquil Ahmed - Muslim law - CLA Allahabad (Hindi)
5. S.K. Awasthi - The waqf act 1995 (Hindi/English) India law House 22, Sikh Mohalla, Indore
6. Mulla's - Principles of Mohammedan law, Tripathi
7. Scatcht - Mohd. Jurisprudence.
8. Caulson - Principles of Mohd. mheritance.

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PAPER - III

ADMINISTRATIVE LAW

UNIT-I Introduction of administrative law, administrative process, discretion and direction :

Meaning, nature, history and function of administrative law, sources of administrativelaw, its origin and scope, reasons for its growth, its historical development in England, America and India, administrative law and constitutional law, droit administrative ... and council, D. Etate, constitutional foundation of administrative law, the rule of law, its meaning, supremacy of regular laws and equity before the laws, doctrine of seperation of powers, its meaning and its position in U.K., U.S.A. & India.

Administrative Process - Nature of administrate process, and its classification, legislative, judicial, quasi-judicial and pure executive action, their characteristics and difference among them.

Administrative Descretion - Meaning, nature and criteria, its use or principle applicable for its use, need for administrative discretion, limit on excercise of discretion, malafide excercise of

discretion acting under dictation, constitutional imperative... and use of discretionary authority, non-application of mind, unreasonableness and standard of reasonableness, taking irrelevant consideration or not taking in to consideration among relevant matter, non exercise of discretionary powers, administrative arbitrariness and bias. Procedural safe guards for use of discretion.

Administrative Direction - its use and classification, its unenforceability.

UNIT-II Delegated legislation, Administrative adjudication & Tribunal

Delegated legislation, its historical background and function, reasons for its growth, need for delegation of administrative power, kinds of delegated legislation, sub-delegated legislation and conditional legislation, constitutionality of delegated legislation in Britain and India, Re Delhi Laws Act, Power of exclusion and inclusion and power to modify statutes, essential legislative functions, requirement for the validity of delegated legislation.

Judicial control of delegated legislation - Doctrine of ultra vires, its kinds, substantive and procedural grounds for its applicability, consultation, sub delegation, publication, administrative directions, circular legislative or parliamentary control on delegated legislation, laying procedure, policy statement, committees on delegated legislation and hearing before it, sub delegation & powers, guide-lines for it, and control of sub delegation, administrative adjudication and tribunals, reasons for proliferation of administrative tribunals, functional approach characteristics and feature of administrative tribunals, Basic difference between a court and a tribunals, position of tribunals in India, CAT its purpose, establishment and composition, jurisdiction power and authorities, aspect of tribunal practice and administrative procedure, procedure before the enquiry or hearing, procedure at the tribunal hearing and procedure after tribunal hearing, frank committee report, administrative tribunal act 1985, administrative tribunals and appeal judicial review and finality of the tribunal decision, reopening of tribunal proceeding rule of res judicate, Administrative tribunals in India.

UNIT-III Judicial Control of Administrative Action and Natural Justice

Power of the High Court, writ jurisdiction of High Court under article 226, limitation of jurisdiction, territorial limit, general limitations, Locus standi, non-existence of alternative remedies, laches, acquiescence, doctrine of legitimate expectation, doctrine of public accountability, doctrine of proportionality, grounds and condition for writs and orders, mandamus, certiorari prohibition, Quo warrants, Habeas corpus, nature of relief practice and procedure, power of supreme court under Art 32, role of natural justice on administrative law - principles of natural justice, (1) No man shall be a judge in his own cause or if he has any bias (Pecuniary personal & official) against a party or any interest in subject matter of the enquiry (2) Audi Alteram Partem - "Hear the

other side and limit of audi altorum partem (3) The party must be known the reasons for the decisions, the use of principle of natural justice in disciplinary process and exclusion & violation of principles of natural justice and its effect.

UNIT-IV State Liability for Wrongs Act & Commission of Inquiry & Corporate:

Liabilities for torts, distinction between sovereign and commercial functions, constitutional provisions in this regard, act of state and statutory immunities contractual liability of Govt., Government privilege in legal proceeding state secrets, public interest, transparency and right to information estoppel and waiver.

Remedies against administrative acts, constitutional remedies writ injunctions, its nature and types, distinction between injunction and mandamus, suit for declaration, its condition and nature, suits for damages.

Public enquiry and commission of enquiry, general enquiry under service rules, procedure in disciplinary action and Provisions of commission of enquiry act 1952, and

Corporation : Corporations, its kinds and characteristics, its classification, legal and constitutional provisions & their responsibilities in contract and in tort, position of their employee whether they are civil servants ? control on corporation, legislative control, judicial control, governmental control and public controls.

UNIT-V-

Ombudsman, Vigilance commission & Right to Information Act Ombudsman, its development in Newzealand, Britain and Australia, Position of Ombudsman in India, Lokpal and Lokayukt and their position, Public Interest litigations its nature and importance in Democracy. Central vigilance commissions its powers and functions

Right to Information Act, 2005-Introduction, Right to Information and Voluntary Organization, Right to Information in the Foreign Countries, Request for Right to Information, Constitution, Rights and Obligations of the Information Agencies, Procedure of Disposal of Applications and Complaints by State Commissions with special reference to Section 18, 19 and 20 of Right to Information Act 2005.

Leading cases

1. A.K. Karipak v. Union of India (AIR 1970 SC 150)
2. Bharat Bank Ltd. v. Employees of Bharat Bank (AIR 1970, SC188)
3. Registrar Co-operative societies v. Kunjabamu and other (AIR 1980, SC350)
4. Hira Nath Mishra v. Principal, Rajendra Medical College, Ranchi (AIR 1973 SC1260)
5. Bhagat Raja, Union of India (AIR 1967 SC1606)

Books Recommended :

1. Jain and Jain - Principles of Administrative law, Tripathi (1986).
2. Wade - Administrative law (Indian Rep.) Universal Delhi.
3. J.C. Garner - Administrative law, Butherworth (1990)
4. D.D. Basu - Comparative Administrative law (Prentice Hall).
5. I.P. Massey - Administrative law EBC, Lucknow. (1996).
6. M.P. Jain - Cases and material on Indian Administrative law (Vol I & II) 1998
Universal book traders Delhi.
7. S.P. Sathe - Administrative law (1998), butterworth (India), Delhi.
8. De Smith - Judicial review of Administrative Action (1995) with supplement, Sweet & Maxwell.
9. M.A. Fazal - Judicial control of administrative action in IndiaPakistan&Bangladesh (2000), Butterworth India.
10. Indian law institute - Cases and material on Admininstrative law in India vol. I (1996), Delhi.
11. D.R. Saxena - Ombudsman, Deep & Deep Delhi.
12. Tusharkanti Saha - Adminstrative law - Kanishk Publication, New Delhi.
13. V.G. Ramchandran - Administrative law, Eastern Book Co., Lucknow.
14. Foulkes - Introduction to Administrative law, Butterworth.
15. Bhagwati Prasad Banerjee - Writ Remedies (1999) Wadhwa, Nagpur.
16. M.P. Jain - The evolving Indian Administrative law (1983) Tripathi, Bombay.

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Paper- IV

LAW OF EQUITY AND INDIAN TRUST ACT, 1882

PART-A

EQUITY

- UNIT-I Historical Introduction- Concept of Equity, Principles of Equity, Nature and Scope of Equity, Equity under the Roman, English and Indian Legal System.
Origin and Growth of Equity in England-Origin of Equitable Jurisdiction, Procedure in Equity.
- UNIT-II Division of Equity Jurisdiction-Exclusive, Concurrent and Auxiliary Jurisdiction
Equity and the Common Law- Distinctive Features of Equity and Common Law, Relation of Equity with Common Law, Fusion of the Administration of Equity and Common Law, The Judicature Act, 1873-1875, Object and Effect of the Judicature Act
- UNIT-III Maxims of Equity.
Nature of Equitable Rights and Interest, Classification of Equitable Rights, Penalties and Forfeitures, Mortgages, Liens and Charges, Married Women, Guardians, Infants, Idiots and Lunatics, Conversion and Re-conversion, Election, Performance Satisfaction and Ademption, Administration of Assets, Mistake, Misrepresentation, Fraud and Undue Influence, Accident, Set-off, Equitable Assignments and Equitable Estoppels.

PART-B

UNIT-IV INDIAN TRUST ACT, 1882

Historical Background- Importance of Trust, Origin and Development of Trust under Roman Law, English Law and Indian Law.
Definition of Trust and Comparison with other Analogous Relations, Kinds of Trusts, Public or Charitable Trust, Doctrine of Cypres, Creation of Trust, The Appointment and Discharge of Trustees, The Duties and Liabilities of Trustees, The Rights and Powers of Trustees, Disabilities of Trustees, Rights and Liabilities of Beneficiaries, Vacating the Office of Trustee, Extinction of Trust, Certain Obligation in the Nature of Trust.

UNIT-V LEADING CASES:

- 1- Deoki Nandan Vs. Murlidhar and Others AIR 1957 S.C. 133.

- 2- Jankiram Ayyar Vs. Neelkanth Ayyar, AIR 1962 S.C. 536.
- 3- Shyamlal Yadu Rao Bhau Vs. Yesha Ram Lodku Pavan AIR 1954 Nag. 334
- 4- Satyanarayan Vs. G. Velloji Rao AIR 1965 S.C. 1465

RECOMMENDED BOOKS:

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|----|-------------------|--|
| 1- | Snell | Principles of Equity |
| 2- | S.T.Desai | Indian Trust Act |
| 3- | G.P. Singh | Equity, Trust and Specific Relief |
| 4- | Aqil Ahmed | Equity, Trust with Fiduciary Relations and Specific Relief Act |
| 5- | Basanti Lal Babel | Equity, Trust and Specific Relief Act(In Hindi) |
| 6- | Suryanarayan Iyer | Indian Trust Act |

Paper-V

PROFESSIONAL ETHICS AND PROFESSIONAL ACCOUNTING SYSTEM

(PRACTICALS)

OUTLINE OF THE COURSE: Professional Ethics, Accountancy for Lawyers and Bar-Bench Relations

This Course will be taught in association with practicing lawyers on the basis of following materials.

- (i) Mr. Krishnamurthy Iyer's book on "Advocacy"
- (ii) The Contempt Law and Practice
- (iii) The Bar Council Code of Ethics
- (iv) 50 selected opinion of the Disciplinary Committees of Bar Councils and 10 major judgments of the Supreme Court on the subject
- (v) Other reading materials as may be prescribed by the University

SCHEME OF EXAMINATION

(1)	Written Examination	50
(2)	Seminar two (each of 10 marks)	20
(3)	Project Report (on any topic of the material)	20
(4)	Viva-Voce	10

The written examination shall be conducted from the prescribed course. The seminar shall also be conducted from the important topics of the materials. The presentation of Project Report and appearance in seminar and viva-voce examination is compulsory. The candidate who does not appear in seminar and viva-voce examination or who does not prepare Project Report will be declared fail in this paper.

The Practical work/Project Report shall be submitted by the students in own handwriting in the College. The evaluation shall be made by the college on the basis of participation and record. The college after valuation shall be sent the diaries and marks to the University. The Principal may himself evaluate and allot marks on the record or may authorize any senior member(s) of the staff, for this purpose. In the later case The Principal shall countersign on the awarded marks.

DETAILED COURSE CONTENT OF WRITTEN EXAMINATION (50 marks):

UNIT-I GENESIS NATURE AND EVOLUTION OF INDIAN BAR

- a) Evolution of Indian Bar - Regulating Act 1773. Bengal Regulation of 1793. and The Legal Practitioners Act 1846.
- b) The Legal Practitioners Act 1853 and the legal practitioners Act 1879.
- c) The Bar Councils Act 1926 and The Report of the All India Bar Committee 1953.
- d) History and circumstances before the passing of the Advocate Act 1961.

UNIT-II SOURCES & SANCTIONS OF PROFESSIONAL ETHICS & MISCONDUCTS

- a) Sources of Rules of Professional Ethics - Judicial and extra Judicial sanctions and advantages of study of professional ethics.
- b) Lawyers misconduct - Professional and others.
- c) Equipment of Advocate Reverence for the law learning public service, brotherhood organization. Love for professional ideals.
- d) Independence and integrity of The Bench and the Bar.

UNIT-III PRIVILEGES RIGHTS POWERS AND DISABILITIES OF LEGAL PRACTITIONERS

- a) Right and duties of Advocates
- b) Privileges of Advocate
- c) Powers of Legal practitioners
- d) Disabilities of legal practitioners

UNIT-IV ADVOCATES AND THEIR RELATION WITH OTHERS IN THE LIGHT OF B.C.I. RULES 1976

- a) Advocate and the Court.
- b) Advocates relation with his opponent and with his client.
- c) Advocates relation with his colleagues and witnesses

- d) Advocates and the public and other employment and Advocates

UNIT-V ADVOCATE ACT, CODE OF ETHICS AND CONTEMPT OF COURT

- a) Indian Advocates Act, 1961.
- b) The contempt law & practice - Indian contempt of court Act 1976.
- c) Other statutory provisions relating to contempt in IPC, Cr.P.C and CPC.
- d) Supreme Court on professional misconduct - Important cases.

BOOK RECOMMENDED

1. C.L. Anand - Professional Ethics of the Bar (Law Book Co., S.P. Marg Allahabad).
2. V.G. Ramchandran's - Contempt of Court EBC, Lucknow.
3. The Bar Council Code of Ethics and Indian Advocate Act 1961.
4. Indian Contempt of Court Act 1996.
5. M. Krishnamurthy - Advocacy
6. AVROM Sherr - Advocacy, Universal Book Traders, 80, Gokhale Market, Delhi.

SYLLABUS FOR B.A.LL.B SEMESTER-VIII

Paper-I

LABOUR AND INDUSTRIAL LAWS-I

This Paper includes Following Statutes

- (1) The Industrial Disputes Act, 1947
- (2) The Trade Unions Act, 1926
- (3) The Workmen's Compensation Act, 1923
- (4) The Payment of Wages Act, 1936
- (5) The Minimum Wages Act, 1948

Detail Course Contents

- UNIT-I General Introduction**-Industrial Jurisprudence, Labour Policy in India, Industrial Revolution of India, Evil of Industrialization, Labour Problems, Principles of Labour Legislation, Growth of Labour Legislation in India, Classification of Labour and Industrial Legislations.
- UNIT-II The Industrial Disputes Act, 1947**—Preliminary, (Sec. 1-2), Authorities under this Act (Sec. 3-9), Notice of change (Sec. 9A -9 B), Reference Of Certain Individual Disputes To Grievance Settlement Authorities (Sec. 9C), Reference of Disputes to Boards, Courts or Tribunals (Sec. 10- 10A), Procedure, Power and Duties of Authorities (Sec. 11-21), Strikes and Lockouts (Sec. 22-25), Lay-Off and Retrenchment (Sec. 25A-25J), Unfair Labour Practice (Sec. 25T-25U), Penalties (Sec. 26-31).
- UNIT-III The Trade Unions Act, 1926**--Preliminary,(Sec. 1-2), Registration of Trade Unions (Sec. 3-14), Rights and Liabilities of Registered Trade Unions (Sec. 15-28), Regulations (Sec. 29-30), Penalties and Procedure (Sec. 31-33).
- The Workmen's Compensation Act, 1923**--Preliminary, (Sec. 1-2), Workmen's Compensation (Sec. 3-18), Commissioners – Reference to Commissioners, Appointment and Powers of Commissioners, Powers and Procedure of Commissioners, Appeals (Sec. 19-21), Rules 32-36, All Schedules, All Schedules and amendments made from time to time.
- UNIT-IV The Payment of Wages Act, 1936**-- Preliminary, (Sec. 1-2), Responsibility for Payment of Wages (Sec. 3-6), Deductions which may be made from wages (Sec. 7-13), Authorities under the Act, Inspectors, Facilities to be afforded to Inspectors, Authorities to hear claims, Single application in respect of claims from unpaid group, Appeal (Sec. 14-17), Power of authorities appointed under section 15 (Sec. 18-19), Miscellaneous Provisions (Sec. 20-26).

UNIT-V The Minimum Wages Act, 1948--Preliminary, (Sec. 1-2), Fixing of minimum rates of wages (Sec. 3-6), Advisory Board (Sec. 7-9), Wages in kind (Sec. 10-17), Maintenance of Registers and Records, etc. (Sec. 18-21), Penalties, etc. (Sec. 22-26), Power of Govt. to make rules (Sec. 27-31), All Schedules and all amendments made from time to time

LEADING CASES:

1. A Maikenji Vs. J.S. Ishaq AIR 1970 SC 1906
2. Bangalore Water Supply and Sewerage Board Vs. A. Rajappa and Others AIR 1978 SC 553
3. Pottery Majdoor Panchayat Vs. The Perfect Pottery Co. Ltd. A.I.R. 1979, S.C. 1356.

Books Recommended:

1. H.K. Sharey - Industrial & labour laws in India (Prentice-Hall) New Delhi.
2. I.A. Sayieed - Labour laws, Himalayan Publishing Co. Nagpur
3. Reshma Arora - Labour law, Himalayan Publishing Co. Nagpur
4. S.K. Mishra - Labour and Industrial law - Allahabad law agency H.N. 387, Sector 16-A Faridabad.
5. Taxmann - Labour laws - Bare Act (Taxmann allied series, Allahabad)
6. S.C. Shrivastava - Treatise on social security and labour laws EBC Lucknow.
7. S.N. Mishra - Labour & Industrial laws CLA Allahabad.
- 8 P.L. Malik - Hand Book of Labour and Industrial laws, EBC Lucknow.
9. Seth D.D. - Commentaries on Industrial Act (Law publishing house - Allahabad)
10. K.D. Shrivastava - Commentary of payment of wages act (1998) EBC Lucknow.
11. O.P. Malhotra - The law of Industrial Disputes (1998) Universal Delhi.
12. V.G. Goswami - Labour and Industrial laws, CLA Allahabad.
13. P.K. Padhi –Labour and Industrial Laws, Prentice Hall of India Pvt. Ltd. New Delhi.

Paper-II

LABOUR AND INDUSTRIAL LAWS-II

This Paper includes following Statutes:

- (1) The Employees' State Insurance Act, 1948
- (2) The Factories Act, 1948
- (3) The Child Labour(Prohibition and Regulation) Act, 1
- (4) The Maternity Benefits Act, 1961
- (5) The Gratuity Act, 1972

Detail Course contents:

UNIT-I The Employees' State Insurance Act, 1948—Preliminary (Definitions) (Sec. 1-2), Corporation, Standing Committee and Medical Benefit Council (Sec. 3-25), Finance and Audit (Sec. 26-37), Contributions (Sec. 38-45), Benefits (Sec. 46-59), Adjudication of Disputes and Claims (Sec. 74-83), Penalties (Sec. 84-86).

UNIT-II The Factories Act, 1948--Preliminary (Definitions) (Sec. 1-7), Inspecting Staff (Sec. 8-10), Health (Sec. 11-20), Safety (Sec. 21-41), Welfare (Sec. 42-50), Working hours of Adults (Sec. 51-66), Employment of Young persons (Sec. 67-77), Annual leave with wages (Sec. 78-84).

UNIT-III The Child Labour(Prohibition and Regulation) Act, 1986-Preliminary (Definitions) (Sec. 1-2), Prohibition of Employment of Children in certain occupations and processes (Sec. 3-5), Regulation of conditions of work of children (Sec. 3-5), Miscellaneous (Sec. 14-26). Causes of child labour and Present prospect of child labour in India.

UNIT-IV The Maternity Benefits Act, 1961--Preliminary (Definitions) (Sec. 1-3), Employment of, or work by woman prohibited during certain period , Right to payment of maternity benefit, Notice of claim for maternity benefit and payment thereof, Payment of maternity benefit in case of death of a woman, Payment of medical bonus, Leave for miscarriage, Other leaves, Nursing breaks, Dismissal during absence of pregnancy, Deduction of wages, Appointment of Inspectors, Powers and duties of Inspectors (Sec. 4-22), Cognizance of Offence (Sec. 23).

UNIT-V The Gratuity Act, 1972--Preliminary (Definitions) (Sec. 1-2), Controlling Authority, Payment of Gratuity, Nomination (Sec. 3-6), Determination of the amount of gratuity (Sec. 7), Inspector , Recovery of gratuity, Penalties (Sec. 8-9), Cognizance of Offences (Sec. 11-14), Power to make rule (Sec. 15)

LEADING CASES:.

- (!) B. Shah Vs. Labour Court AIR 1978 SC 12
- (2) Ahemdabad Private Primary Education Association Vs. Administrative Officers (2004) 1 SCC 755
- (3) Peoples Union for Democratic Rights Vs. Union of India AIR 1982 SC 1480

Books Recommended:

1. H.K. Sharey - Industrial & labour laws in India (Prentice-Hall) New Delhi.
2. I.A. Sayieed - Labour laws, Himalyan Publishing Co. Nagpur

3. Reshma Arora - Labour law, Himalyan Publishing Co. Nagpur
4. S.K. Mishra - Labour and Industrial law - Allahabad law agency H.N. 387, Sector 16-A Faridabad.
5. Taxmann - Labour laws - Bare Act (Taxmann allied series, Allahabad)
6. S.C. Shrivastava - Treatise on social security and labour laws EBC Lucknow.
7. S.N. Mishra - Labour & Industrial laws CLA Allahabad.
- 8 P.L. Malik - Hand Book of Labour and Industrial laws, EBC Lucknow.

9. Seth D.D. - Commentaries on Industrial Act (Law publishing house - Allahabad)
10. K.D. Shrivastava - Commentary of payment of wages act (1998) EBC Lucknow.
11. O.P. Malhotra - The law of Industrial Disputes (1998) Universal Delhi.
12. V.G. Goswami - Labour and Industrial laws, CLA Allahabad.
13. P.K. Padhi –Labour and Industrial Laws, Prentice Hall of India Pvt. Ltd. New Delhi.

PAPER – III

HUMAN RIGHTS AND PUBLIC INTERNATIONAL LAW

UNIT-I HUMAN RIGHTS IN GENERAL

- a) Human Rights its meaning and Nature.
- b) Its definitions and classification.
- c) Human Rights as a Right in juristic Sense.
- d) Its existence in religions.

UNIT-II HUMAN RIGHTS IN INTERNATIONAL PERSPECTIVE :

- a) Human Rights its development and emerging trend in Universal sphere & Role of NGO's & specialised agencies in its protections.
- b) International Bill of Rights and Universal Declaration of Human Rights 1948.
- c) The conventions on the Rights of Child and The conventions on the elimination of discrimination against woman.
- d) International convention on Economic Social & Cultural Rights 1966.

UNIT-III HUMAN RIGHTS IN REGIONAL & NATIONAL PERSPECTIVE

- a) Constitutional Protection of Human Rights in India.
- b) Protection of Human Rights Act 1993.
- c) Human Rights Protection frame work of India - National Human Rights commission its constitutional powers and duties.
- d) The conventions on the elimination of all forms of Racial discrimination and struggle against Apartheid.

UNIT-IV PUBLIC INTERNATIONAL LAW & STATE

- a) Public International Law its definition, Nature, Sources, History and development.
- b) Relationship between international and Municipal law and difference between Public International law and Law of conflicts subjects of PIL.
- c) State - its nature, evolution, and criteria of statehood, its recognition, succession and responsibility.
- d) Nationality, Extradition Asylum and principle of self determination.

UNIT-V INTERNATIONAL LAW AND USE OF FORCE

- a) Law of War and peace, Intervention and Neutrality, Treaty Covenant, immunities.
- b) Law of the Sea - Territorial water, continental shelf, sea bed, ocean-floor, Economic zone, Blockade, contiguous zone.
- c) Settlement of International dispute by use of force, by peaceful means. Role of UNO and their specialised agencies.

Recommended Reading Material :

1. J.K. Starke - An Introduction to the International Law.
2. J. L. Brierley - The Law of Nations (Oxford)
3. A.K. Pillai - National Human Rights Commission.
4. S.K. Verma - An Introduction to Public International Law (Prentice-Hall India).

5. All the Covenants and Conventions.
6. Shaw M.N. - International law (CUP).
7. M.C. Nair - The Law of Treaties (Oxford)
8. Paras Diwan & Piyushi Diwan - Human Rights & The Law - Universal & Indian.
9. S.K.Kapoor - Human Rights under International Law and Indian Law Central Law Agency Allahabad.
10. D.D.Basu - Human Rights in Constitutional Law (Prentice - Hall)

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PAPER- IV

INSURANCE LAW

UNIT-I INTRODUCTION, NATURE, HISTORY AND DEVELOPMENT

- a) Definition and nature of Insurance. Difference between Assurance and Insurance.
- b) Concept of Insurance and Law of contract and Law of torts.
- c) History and Development and importance of Insurance, contract of insurance and its characteristics.
- d) Provision of Insurance Act 1938.

UNIT-II GENERAL PRINCIPLES OF INSURANCE

- a) Various principles of Insurance - Principles of co-operative probability and legal principles, Principles of good faith and non-disclosure, Misrepresentation in insurance contract. Principles of contribution and principles of proximate.

- b) Principles of insurable interest - The risks, classification of risks, Provision of warranty & Principles of warranty and subjugation.
- c) Nature, kind and classification of insurance contract.
- d) The policy - classification of policies, its forms and contents, its commencement, duration, calculation of premium, cancellation, alteration, reduction, rectifications, construction and assignment of subject matter.

UNIT-III LIFE INSURANCE AND MARINE INSURANCE

- a) Nature, scope and definition, condition for life insurance contract. The policy and formation of life insurance contract, circumstances affecting the risk. Amount recoverable under the policy and person entitled to payment, settlement of claim and payment of money. Distinction between nomination and assignment and double insurance and reinsurance. Life Insurance Corporation Act 1956.
- b) Marine insurance - Meaning, Scope and History. Essential elements of marine insurance contract, classification, procedure and conditions of marine insurance and provisions of Indian Marine Insurance Act 1963.
- c) Tax benefit from life insurance and Life Insurance (Emergency provisions) Act 1956.
- d) Provision of the General Insurance Business (Nationalization) Act 1972.

UNIT-IV INSURANCE AGAINST THIRD PARTY RISKS

- a) Insurance against third party risks, Motor vehicle Act 1988 (Chapter XIII)
- b) Motion, scope, definition, statutory, contract between Insurer and Driver. Rights of third party. Limitation on third party rights. Duty to inform third party.
- c) Effect of insolvency or death on claim certificate of insurance or conditions to be satisfied.
- d) Claim tribunals' constitutions, functions, application for compensation, Who can apply ? Procedure and powers of claim tribunals and its awards.

UNIT-V MISCELLANEOUS INSURANCES AND PRESENT POSITION IN THE LIGHT OF GLOBALIZATION

- a) Miscellaneous insurance, including fire insurance.
- b) Provisions of public liability Act 1991 Except Schedule.

- c) Insurance in Global perspective and in present scenario.
- d) Provisions of Insurance Regulating and Development Authority Act 1999.

BOOK RECOMMENDED :

1. Ivamy - General Principles of Insurance Law (1993) Butterworth
2. M.N. Shrinivasan - Principles of Insurance Law (1997), Ramaniya Publisher, Bangalore.
3. John Birds - Modern Insurance Law (1988), Sweet & Maxwell.
4. Brij Anand Singh - New Insurance Law (2000) Union Book Publisher, Allahabad.
5. M.N. Mishra - Law of Insurance, Central Law Agency, Allahabad

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PAPER- V

ALTERNATIVE DISPUTES RESOLUTION (PRACTICALS)

Outline of the Course :

- (i) Negotiation skills to be learned with simulated program.
- (ii) Conciliation skills.
- (iii) Arbitration Law and Practice including International arbitration and Arbitration rules.

The course is required to be conducted by senior legal practitioners through simulation and case studies. Evaluation may also be conducted in practical exercises at least for a significant part of evaluation.

SCHEME OF EXAMINATION

(1)	Written Examination	50
(2)	Seminar two (each of 10 marks)	20
(3)	Project Report (on any topic of the material)	20
(4)	Viva-Voce	10

The written examination shall be conducted from the prescribed course. The seminar shall also be conducted from the important topics of the materials. The presentation of Project Report and appearance in seminar and viva-voce examination is compulsory. The candidate who does not appear in seminar and viva-voce examination or who does not prepare Project Report will be declared fail in this paper.

The Practical work/Project Report shall be submitted by the students in own handwriting in the College. The evaluation shall be made by the college on the basis of participation and record. The college after valuation shall be sent the diaries and marks to the University. The Principal may himself evaluate and allot marks on the record or may authorize any senior member(s) of the staff, for this purpose. In the later case The Principal shall countersign on the awarded marks.

DETAILED COURSE CONTENT OF WRITTEN EXAMINATION (50 marks):

UNIT-I Arbitration : meaning scope and types, Arbitration Agreement- essentials ,
nds , Who can enter into arbitration agreement? Validity, Reference to arbitration, Interim measures by Court

.UNIT-II Arbitral Tribunal, Appointment, Jurisdiction of arbitral tribunal, Grounds of challenge, Powers, Procedure, Court assistance, Award, Rules of guidance, Form and content, Correction and interpretation, Grounds of setting aside an award--Want of proper notice and hearing , Contravention of composition and procedure, Impartiality of the arbitrator, Bar of limitations, Res judicata, Consent of parties, Enforcement.

UNIT-III Appeal and Revision, Enforcement of foreign awards, New York Convention Award, Geneva Convention Awards.

UNIT-IV Conciliation: Distinction between “conciliation”, “negotiation”, “mediation” and “arbitration”, Appointment of conciliator, Interaction between conciliator and parties, Communication, disclosure and confidentiality, Suggestions by parties, Resort to judicial proceedings, legal effect, Costs and deposit repeal.

UNIT-V Rule making power: Legal Services Authorities Act, Lok Adalat, Legal Camp.

BOOKS RECOMMENDED:

1. Avtar Singh : Arbitration and Conciliation.
2. Goyal : Arbitration and Conciliation Act.
3. Shukla : Legal remedies.
4. Jhabvala : Law of Arbitration and Conciliation.
5. Dr. N.V.Paranjape: Arbitration and Alternative Dispute Resolution.

SYLLABUS FOR B.A.LL.B SEMESTER-IX

PAPER - I

LAND LAWS INCLUDING OTHER LOCAL LAWS

- 1. The Chhattisgarh Land Revenue Code 1959 (Amended 2006)**
- 2. The C.G. Ceilings on Agricultural Holding Act, 1960 (as Amended 2006)**

UNIT-I C.G. LAND REVENUE CODE - Historical Development, Definitions, Abadi, Agriculture, Agriculture Year, Bonafide Agriculturist, Board, Co-operative Society, Government, Forest, Government Lessee, Holding. Improvement, Land, Landless Person, Land Records, Legal Practitioner, Mango Grove, Orchard, Recognised Agent, Rent, Revision, Revenue Officer, Revenue Year, Sub-Division of Survey Number, Tenant, Tennure Holder, Timber Tree, Urban Area, Unoccupied Land, Village, To Cultivate Personally, Survey Number.

UNIT-II Board of Revenue, Revenue Officers and their Classes and Powers, Procedure of Revenue Courts, Appeal Revision and Review, Land and Land Revenue, Revenue Survey and Settlement in Non-Urban Areas, Assessment and Re-assessment of Land Revenue in Urban Areas.

UNIT-III Land Records, Boundaries And Boundary Marks and Survey Marks, Tenure Holders, Government Lessee and Service Land, Occupancy Tenants, Alluvial and Diluvial, Consolidation of Holding, Village-Officers, Rights in Abadi and Unoccupied Land and its Produce.

UNIT-IV C.G. on Agricultural Holding Act, 1960 : Definitions, Exemptions and Restrictions on Transfer of Land, Fixing of Ceiling Area, Determination of Surplus Land and Acquisition Thereof, Payment of Compensation in Compensation on Surplus Land, Offences and Penalties and Miscellaneous.

UNIT-V Leading Cases

1. State of M.P. Vs. Poonam Chand, 1968, J.L.J. 116.

2. M.P.State Vs.Babulal And others, 1980, J.L.J. 856 (SC).
3. Harprasad. B Horelal Vs. Board of Revenue, 1964, M.P.L.J. 370.
4. Nandu Vs. Babu and others. 965, M.P.L.J. 178.
5. Manmohan Lal Shukla Vs. Board of Revenue, 1964, M.P.L.J. 32.

Books Recommended :

1. M.P.Land Revenue Code - H.N. Dwivedi.
2. M.P.Land Revenue Code - R.D. Jain.

INTELLECTUAL PROPERTY LAW

PAPER-II

UNIT-I Introduction Nature Basic Concepts and International Conventions

Nature and meaning of Intellectual property, need for protection of right of intellectual property. The types of intellectual property. The types of intellectual property and enhancement of area of I.P. History and introduction to the leading international instrument concerning intellectual property rights i.e. WIPO (world intellectual property organisation) and its paris convention on protection of industrial property (PIP) and patents co-operation treaty (PCT) The Berne (1971) and Rome convention (1961) on copy right. Universal copy right convention (UCC) of 1952, and neighbouring rights and madrid agreement on trade mark registration.

The general agreement on tariffs and trade (GATT) and its creations, World trade organisation (WTO), Uruguay Round (April 1997) and its highly significant instrument "Trade Related intellectual property agreement" (TRIPS).

UNIT-II Copyrights its contents and forms & related act :

Copyrights its history and definition, provisions of Copy-right act 1957 and copyrights (amendment) act 1994 which includes copyright its nature and meaning. Subject matter of copyright, forms of copyrights, ownership of copyrights assignment of copy rights. copyrights as an authors special rights. Notion and criteria of infringement, their definition and exception, proposition relating to infringement, authorisation of infringement, acts not constituting infringement, infringement of literary, dramatic, musical and artistic works, cinematographic films and sound recording.

Remedies against infringement of copyright - nature and kind of remedies civil and criminal under Copyright Act sec. 55-57, 62, 63-70, slender of title Anton Piller order, international copyrights, copyrights societies and copyright office, copyrights board, legislation of copyright and appeal.

UNIT-III Trade Marks & designs - their nature & related acts :

Introduction definition evolution and concept of trade marks, Distinction between trade marks and property works, the doctrine of honest current user and doctrine of deceptive similarity, provisions of The trade mark act 1999, it includes definition and interpretation, condition for registration, trade mark registry. Property in a trade-mark, registration of trade mark, its refusal, Berne principles of registration of trade marks, its procedure and evidence. Marks, not registrable, effect and limit on effect.

registered trade work, assignment and transmission of registered trade marks, use of trade mark and registered user, rectification and correction of the registration, collective marks, provisions relating to textile goods, offences, penalties and procedure, appellate board, its constitution, powers and duties and procedures and other miscellaneous provisions of the act, provisions of Design act 2000, it includes following chapter - definition, registration of design, copyright in registered design legal proceedings, general powers and duties of controller Evidence agency & powers of central government.

UNIT-IV Patents its introduction grant, registration and patents act 1970 :

Provisions of Patents act 1970 which includes patents, its introduction concept and history, process of obtaining patents, specification, application for patents, examination of application, position to grant a patent, invention not patentable, register of patents and patent office, register and obligation of a patent. Transfer of patent right, Right of the Govt. in case of use of invention provisions for secrecy of certain invention. Patents in addition, procedure for restoration of lapse patents. revocation and surrender of patents. Registration of patents, patents office, its constitution, controller and its power, infringement of patents and treat of infringement proceedings of officers penalties for the Violation of act. licences .. of right, compulsory licences patent agent etc. and miscellaneous provision of the act.

UNIT-V The Information Technology Act 2000 and Leading Cases

Provision of ITA 2000, it includes introduction, need, coverage, definition digital signature, electronic record certifying authorities, electronic governance, their regulation, penalties, cyber regulation appellate tribunals under ITA act and following leading cases.

1. Grama phone co. of India v. B.B. Pandey (AIR 1984 SC 667)
2. Indian Performing Right Society Ltd. v. Eastern India Motion pictures association (AIR 1977 SC 1443).
3. Monsanto Co. v. Caromandal Idag product (AIR 1986, SC 712).
4. American House Product Corpn. v. Mac Laboratories (Pvt) Ltd. (AIR 1986 SC 137)
(Dristan Case)

Books Recommended :

1. Parvin Anand - The law of Intellectual Property (Batter Worth)
2. Bibek Deb Roy - The Intellectual Property Rights (B.R. Publishing, New Delhi)
3. Terrel - Law of Patents (Rajiv Gandhi Institute of Concept Studies)
4. P.S. Sanyal & Kishore Singh - Indian Patent System

5. Stewart - International copyright and neighbouring right.
6. P. Narayanan - Intellectual Property Law (Eastern Law House, Kolkata / Delhi, 315/-)
7. Vikas Vashisth - Intellectual Property Law (Bharat Law House)
8. Cornish W.R. - Intellectual Property Patents, Trade Names, Copyrights and allied rights (1999) (Universal law publishing Co. Pvt. Ltd.) Ansal's Dilkhush Industrial Estate, G.T. Karnal Rd., Delhi.
9. W.R. Cornish - Intellectual Property (Sweet & Maxwell)
10. Mata Din - Law of passing off and infringement action of trade marks.
11. UIE Anderfelt - International patent legislation and developing countries.
12. The Patent Act 1970
13. The Design Act 2000
14. The Trade Mark Act 1999
15. The Copyright Act 1957.
16. The Information Technology Act, 2000.

PAPER – III

COMPANY LAW

(The Companies Act, 2013 WITH AMENDMENTS)

UNIT-I Introduction, History and Definition of Company, Registration of Corporate Entity, Corporate Veil, Company and Hindu undivided Family, company and Partnership, Club, Association of Persons, Advantages and Disadvantages of Incorporation, Kinds Companies and Application of the Act.

Interpretation and Definitions of Various Terms.

UNIT-II Formation of Companies, Promotion, Promotor and his Rights and Liabilities, Incorporation, Memorandum of Association and Articles of Association, Doctrine of Ultra-Vires, Prospectus, Definition, Contents of Prospectus Punishment for Misrepresentation in the Prospects, Members of the Company, Members and Shareholders and Public Trustees.

UNIT-III Share and Share Capital, Allotment of Share, Statutory Restriction on Allotment, General Principles as to Allotment, Company which cannot issue prospectus, Irregular Allotment, Return as to Allotment, Issue of Share at Discount, Underwriting Commission, Brokerage, Issue of Share at Premium, Share Capital : Definition, Nature of Share Certificate, Position of Transferor and Transferee, Procedure, Blank Transfer, Right to Refuse Registration, Restriction on the Acquisition and Transfer of Share, Certificate of Transfer, Kinds of Share, Power of Company to Accept Payment in Advance of Calls. Reserve Liability, Alteration of Capital Reorganisation of Share Capital. Reduction of Capital, Share Warrant.

Directors, Position of Directors, Appointment, Powers and Duties of Directors, Other Office Bearers of the Company.

UNIT- V Dividend, Debenture, Accounts and Audit, Borrowing Powers of the Company, Investment and Contract, Majority Powers and Minority Rights and Rule of Foss and Harbottle, Mismanagement and Remedies ----- Compromise.

Arrangement, Reconstruction and Amalgamation, Investigation and Liquidation and Consequences of Winding up of the Companies.

UNIT-IV Leading Cases

1. Saloman Vs. Soloman and Company Ltd., 1897, PC 22.
2. Income Tax Commissioner Vs. Shri Meenakshi Mills, A.I.R., 1967, SC 819.
3. Nareshchand Vs. Calcutta Stock Exchange Association AIR 1971, SC 422.

4. N. Goverdhandas & Company Vs. N.W. Industries Pvt. Ltd. AIR 1971, SC 2600.
5. Official Liquidator Vs. P.A. Tandolkar AIR 1973, SC 1104.
6. R. Methlone Vs. Bombay Life Insurance Corporation Ltd. AIR 1953, SC 195.

Books Recommended :

1. Company Lax - Philip. K. Thayil.
2. Lectures on Company Law - S.M. Shah.
3. Indian Company Law - Awtar Singh.
4. Company Law - R.R. Maurya.
5. Company Law - Dr. Ramchandran.
6. Students Guide to Company Law – Taxmann
7. Company Law- N.V Paranjape.

PAPER- IV
LAW OF TAXATION

UNIT – I GENERAL INTRODUCTION:

Historical Perspective
 Historical Development of Tax Laws in India
 Concepts of tax
 Nature & characteristics of taxes
 Distinction between tax & fee, tax, & cost
 Distinction between Direct & Indirect tax
UNIT- II INCOME TAX ACT, 1961:

Preliminary – Short Title, Extent and Commencement, Definitions, Previous Year Defined(Sec. 1-3)- Basis of charges of Income Tax: Residential status of assesses – its impact on tax liability(Sec. 4-9) Incomes which do not form part of total income(Sec. 10-13)

UNIT-III

Computation of Total Income(Heads of income) Salaries, Income from House Property, Profits and Gains of Business or Profession, Capital Gains and Income from Other Sources – general concepts – chargeability to tax – admissible & inadmissible deductions, exclusions and deductions from income(Sec. 14-59)

Income of other persons included in assessee's Total Income(Sec. 60-65), Aggregation of Income and set-off and carry forward of losses(Sec. 66-80) Deductions to be made in computing total income, Deductions in respect of certain Payments and certain incomes and other deductions, Rebate of Income Tax and Relief for Income Tax(Sec. 80A-89),

UNIT- IV

Income tax authorities- Appointment and Control, Jurisdiction, powers & functions, Disclosure of Information(Sec.116-138), Procedure for Assessment(Sec.139-158), Collection and Recovery of Tax-Deduction at source and Collection at source, Advance payment of tax, Collection and Recovery, Interest Chargeable in some cases and Refunds,(Sec. 190-245)Allotment of permanent account number, Settlement of Cases- Appeals and Revision, Appeals to the Appellate Tribunal, Reference to High Court, Appeals to High Court, Appeals to the Supreme Court, Revision and reference(Sec. 245A-269) Penalties Imposable(Sec. 270-275) Offences and Prosecutions- Penalties and prosecutions under income tax act, 1961 for non-compliance, contravention, avoidance and evasion of tax(Sec. 275A-280)

UNIT – V C.G. VALUE ADDED SALES TAX ACT, 2003

Preliminary-Short Title, Extent and Commencement, Definitions, Taxing Authorities, Incidence of Tax(Sec. 1-7) Levy of Tax(Sec. 8-15) Registration of Dealers(Sec.16-18),Returns, Assessment, Payment and Recovery of Tax(Sec.19-38), Refund of Tax, Accounts and Issue of Acts, invoices or cash memoranda(Sec.39-42) Certain powers of the Commissioner and Delegation by the Commissioner(Sec.43-47), Appeals, Revision and Rectification(Sec.48-56), Detection and Prevention of Tax Evasion(Sec.57-63), Offences and Penalties(Sec.64)Miscellaneous and Power to make Rules(Sec.65-74)

LEADING CASES:

- 1- Commissioner of Income Tax Vs. Anwar Ali AIR 1970 SC 1982
- 2- Calcutta Discount Co. Ltd. Vs. Income Tax Officer,(1961)41 ITR 191(SC) Reopening of Assessment Section-147(9)
- 3- Dwarka Das Keshardeo Morarka Vs. Commissioner of Income Tax(1962)42 ITR 529 On law of Estoppel in Taxation
- 4- Jute Corporation of India Vs. CIT, AIR 1991 SC 341

BOOKS RECOMMENDED:

1- A.K. Saxena	Income Tax Act
2- Kailash Rai	Income Tax Act
3 V.K. Shusha Kumari	Law of Income Tax
4- B.L. Babel	Pratyaksh Kar Vidhayan, Aparadh, Abhiyojan Evam Shastiyam

Paper –V

Moot Court Exercise and Internship

This paper may have three components of 30 marks each and a viva for 10 marks :

- a. Moot Court (30 marks)- every student may be required to do at least three moot courts in a year with 10 marks for each. The moot court work will be on assigned problem and it will be evaluated for 5 marks for written submissions and 5 marks for oral advocacy.

- b. Observance of Trial in two cases, one Civil and one Criminal (30 marks).

Students may be required to attend two trials in the course of the last two or three years of LL.B studies. They will maintain a record and enter the various steps observed during their attendance on different days in the court assignment. This scheme will carry 30 marks.

- (c) Interviewing techniques and Pre-trial preparations and Internship dairy 30 marks.

Each student will observe two interviewing sessions of clients at the Lawyer's Office/ Legal Aid Office and record the proceedings in a diary, which will carry 15 marks. Each student will further observe the preparation of documents and court papers by the Advocate and the procedure for the filing of the suit/ petition. This will be recorded in the diary, which will carry 15 marks.

(d)The fourth component of this will be Viva Voce examination on all the above three aspects. This will carry 10 marks.

The Court work shall be submitted by Student in own handwriting in the College/SOS in Law. The evaluation shall be made by the college/SOS in Law on the basis of participation and record. The college/SOS in Law after valuation shall sent the diaries and marks to the University. The Principal/ Head may himself evaluate and allot marks on the record or authorize any senior members of the staff, for this purpose. In the later case the Principal/Head shall countersign on the awarded marks.

Books Recommended:

1. Moot Court, Pre-trial Preparation and Participaticipation in trial Proceedings - O.P. Mishra (Advocate).
2. Moot Court Pre-trial Preparation and Participation in trial Proceedings - Dr. S.P. Gupta.
3. Moot Court Pre-trial Preparation and Participation in trial Proceedings – J.P.S.Sirohi.
4. Practical training for Law students – Prof. J. k. Mittal.

SYLLABUS FOR B.A.LL.B SEMESTER-X

PAPER - I

TRANSFER OF PROPERTY ACT, 1882 AND INDIAN EASEMENT ACT, 1882

UNIT - I Historical evolution of Law of property, Introduction, Short title, Commencement, Repeal of Acts, Interpretation Clause (Ss 1-3), Transfer of Property by act of Parties - Definition of Property, Rule of Transferability, Persons Competent to Transfer, Operation of Transfer and Oral Transfer (Ss 5-9), Condition Restraining Alienation, Restriction Repugnant to Interest, Condition Making Interest Determinable on Insolvency or Attempted Alienation (Ss 10-12), Transfer for the Benefit of Unborn Person, Rule against Perpetuity etc. (Ss 13-18), Vested interest and Contingent Interest (Ss 19-24), Conditional Transfer, Doctrine of Acceleration, Doctrine of Conditional Limitation (Ss 25-34), Doctrine of Election (Ss 35-37), Transfer of Immovable Property (Ss 38-53-A).

UNIT-II Sale of immovable property : Definition, Competency of Parties, Difference between Sale and Agreement to Sale, Rights and Liabilities of buyer and Seller (Ss 54-57), Mortgages charges of immovable (Ss 58), Property, Definition, Kinds of Mortgages, Obligation to transfer to third party instead of Mortgagor, Rights and Liabilities of Mortgager (Ss 58-66), Rights and Liabilities of Mortgagee (Ss 67-77), Other Provisions Related to Mortgage including charges (Ss 78-104).

UNIT-III Leases of immovable property Definition, Essential Elements of Leases, Modes of Leases, Rights and Liabilities of Lessor and Lessee, Doctrine of Waiver, Determination of Lease and Other Related Provisions (Ss 105-117), Exchanges (Ss 118-121), Gift (Ss 122-129), Transfer of Actionable Claims (Ss 130-137).

UNIT -IV Indian Easement Act, 1882 :- Introduction (Ss 1-3), Easement in General (Ss 4-7), Imposition, Acquisition and Transfer of Easements (Ss 8-19), Incidents of Easement (Ss 20-21), Disturbance of Easement (Ss 32-36), Extinguishment, Suspension and revival of easements (Ss 37-51), Licenses, Definition, Ingredients and Revocation of Licenses (Ss 52-64)

UNIT - V Leading Cases :

1. Nainsukhdas Shivnarayan Vs. Goverdhan das AIR 1948, Nagpur 110.

2. Associated Hotel of India Vs. R.N. Kapoor AIR 1962, SC 1262.
3. Jama Masjid Vs. Koci Manindra Deviah and other, AIR 1962, SC 807.
4. Kedarnath Vs. Shivnarayan AIR 1970, SC 1717.
5. Kanji Manji Vs. Trusters of Port of Bombay AIR 1963, SC 268.
6. Murari Lal Vs. Devkaran AIR 1965, SC 225.

Books Recommended

1. Transfer of Property Act - Mulla
2. Sampatti Antaran Adhinyam - G.P. Tripathi
3. Sampati Antaran Adhinyam - S.N. Shukla
4. Transfer of Property Act 1882 - S.N. Shukla
5. Law of Easement - S.T. Desai
6. Transfer of Property Act, 1882 - G.P. Tripathi

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PAPER - II
CIVIL PROCEDURE CODE AND LIMITATION ACT

- 1. Civil Procedure Code 1908**
- 2. Limitation Act, 1963**

UNIT - I Civil Procedure Code - Historical Background, Introduction, Short Title, Definition, Kinds of Courts and their Jurisdiction, Stay of Suit, Resjudicata, Bar to Further Suit etc. (Ss 1-14), Place of Suing, Institution of Suit, Summons and discovery, Judgment and Decree, Interest and Costs (Ss 15-35-B), Execution Proceedings, Courts by which decree may be executed, Procedure in Execution, Arrest, Detention, Attachment and Sale, Resistance to Execution (Ss 36-74), Incidental Proceedings, Suit in Particular case, Suit by or against the Government, Suit by Aliens and by or against foreign rulers/ambassadors suits against rulers of former Indian States and Interpleader Suit (Ss 75-88), Appeals, Reference, Review and Revision (Ss 96-115), Miscellaneous Proceedings, Application for Restitution, Right to Lodge a Caveat, Power to make-up deficiency of Court fees, Inherent Powers of Courts, Amendment of Judgement, decrees and order and General power to Amend (Ss 144-153).

UNIT-II Parties to Suits, Plaintiff and Defendants, Representative Suit, Joinder, Misjoinder and non-joinder, (Order - I Rules 1-13), Frame of Suit, Recognised Agents and Pleader, Institution of Suits, Issue and Service of Summons (Order II - V), Pleading Generally, Plaint, Written-Statement, Set-off and Counter-Claim (Order VI-VIII), Appearance of Parties and Consequences of non-appearance, dismissal of suits and ex-party Decree and Order, Examination of Parties by the Court, Discovery and Inspection, Admission, (Order IX-XII), Settlement of Issues and Determination thereof, Summary Disposal, Summoning Attendance and Examination of Witnesses, Adjournment of Hearing and Affidavit (Order XIV-XIX).

UNIT-III Judgement and Decree, Execution of Decrees and Orders, Death, Marriage and Insolvency of Parties, Withdrawal and Adjustment of Suits (Order XX-XXIII), Commission, Suits by or against the Government and Public Officers, Suits Involving a Substantial Question of Law, Suits by or against Military, Naval or Airmen, Suits by or against Corporation, Suits by or against Firms, Trustees, Executors and Administrators, Suits by or against Minors and Persons of Unsound Mind, Suits Relating to Matters, Concerning the Family, Suit by Indigent Persons, Suits Relating to Mortgagor, Interpleader Suit (Order XXIV-XXXV), Arrest and Attachment before Judgment, Temporary Injunctions and Interlocutory Order, Appointment of Receiver, Appeal from Original Decrees, Appeal from Appellate Decrees, Appeal from

Orders, Appeal by Indigent Persons, Appeal to the Supreme Court, Reference and Review (Order XXXVIII-XLVII).

UNIT-IV Limitation Act, 1963 - Historical Background, Short Title, Extent, Commencement and Definition (Ss 1-2), Limitation of Suits, Appeals and Applications (Ss 3-11), Computation of Period of Limitation, Exclusion of Time in Legal Proceedings, Effect of Death on or before the accrual of right to Sue, Effect of Fraud or Mistake, Effect of Acknowledgement in Writing, Effect of Substituting or Adding New Plaintiff or Defendant etc. (Ss 12-24), Acquisition of Ownership by Possession, Acquisition of Easement by Prescription, Reversioner and Extinguishment of Right to Property (Ss 25-27).

UNIT-V Leading Cases -

1. P.G.H. Patil Vs. R.S. Patil and others AIR 1957, SC 363.
2. M.P. Shrivastava Vs. Mrs. Veena AIR 1967, SC 1193.
3. Kiran Singh & Others Vs. Chaman Paswan and others AIR 1954, SC 340.
4. State Vs. Administrator AIR 1972, SC 749.
5. Hindustan Aeronautics Vs. Ajit Prasad AIR 1973, SC 76.

Books Recommended

1. Civil Procedure Code - Mulla
2. Civil Procedure Code - Viswanath Iyer
3. Code of Civil Procedure - P.K. Majumdar
4. A Guide to Civil Procedure Code - Rama Rao
5. Civil Procedure Code - Sarkar
6. Civil Procedure Code - M.P. Jain
7. Law of Limitation & Prescription - U.N. Mitra
8. Law of Limitation - Dr. N.M. Swami
9. Limitation Act - Sarkar

PAPER - III

INTERPRETATION OF STATUTES

UNIT-I Principles and Legislation-Law Making - Legislature, Executive and Judiciary, Principle of Utility, Operation of these Principles upon Legislation, Distinction between Morals and Legislation.

INTERPRETATION OF STATUTES - Introduction, Meaning, Commencement, Operation and Repeal of Statutes, Purpose of Interpretation of Statutes Classification of Statutes.

UNIT-II GENERAL PRINCIPLES OF INTERPRETATION - Primary Rules, Literal Rule, Golden Rule, Mischief Rule (Rule in the Hydon's Case) Rule of Harmonious Construction. Secondary Rules, Noscitur a Soclis, Ejusdem Generis, Reddendo Singula Singulis, Utres Magis Valeat Quam Pereat, Contemporanea Expositio est Fortissima in Lege.

PRESUMPTIONS IN STATUTORY INTERPRETATION - Presumption as to Jurisdiction, Presumption Against inconvenient or Absurd, Presumption Against Intending Injustice, Presumption Against Impairing Obligations or Permitting from One's Own Wrong, Prospective Operation of Statutes.

UNIT-III AIDS TO INTERPRETATION AND MAXIMS OF STATUTORY INTERPRETATION - Internal Aids and External Aids, MAXIMS - Delegates Non Potest Delegare, Expressio Unius Exclusio Alterius, Generalia Specialibus non Derogant, In Pari Delicto Potior Est Condition Possidentis, Utresvalet Potior Quam Pareat, Expressum Facit Cessare Tacitum, Jure Nature Sunt Immutabilia.

UNIT-IV Interpretation with Reference to the Subject Matter and Purpose - Beneficial Construction, Strict Construction of Penal Statutes and Taxing Statutes, Construction and Interpretation of Welfare Legislation, Harmonious Costruction of the Statutes, Interpretation of Statutes in Pari Materia, Amending, Consolidating and Codifying Statutes, Mandatory and Directory Enactments and Conjunctive and Disjunctive Enactments.

UNIT-V Principles of Constitutional Interpretation - Principles of Implied Powers, Incidental or Ancillary Power, Doctrine of Pith and Substance and Colourable Legislation, Principles of Implied Prohibition, Occupied Field and Territorial Nexus, Doctrine of Severability and Repugnancy and Doctrine of Eclipse and Ancillary Powers.

Retrospective and Prospective Operation of Statutes.

Books Recommended :

1. Principles of Statutory Interpretation - G.P. Singh.
2. Interpretation of Statutes and Legislation - M.P.Tondon and Rajesh Tondon.
3. Statute Law - Craies.
4. Interpretation of Statutes - V.P. Sarthi.
5. Maxwell's Interpretation of Statute - N.M. Tripathi.

PAPER - IV

CRIMINOLOGY AND PENOLOGY

UNIT-I Definition of Crime and Criminology, Relation of Criminology with other Sciences, Schools of Criminology, Classification of Crimes, its causes and means of control, Socio-economic crimes, white Collar Crime, Organized crime, and crime against women.

UNIT-II Juvenile delinquency, its determining factors, differential association, anomaly, and Economic pressure. Difference between Crime and Juvenile Delinquency, Vagarency and Recidivism, Borstals system, reformatory and other correctional institutions of Juvenile, Juvenile court and observation Homes.

UNIT-III Definition of Penology and its scope. Theories of punishment, its objects and kinds, capital punishment and its efficacy, Human Rights and Penology.

UNIT-IV Indian prison system, Its administration, organization, mode of Recruitment and Training for Jail personal, Jail manual and powers of prison Officials, classification of Prisoners - Male, Female, Juvenile and Adult, under-trial, Rights of the Prisoners, and duties of custodial staff.

Probation and Parole - Probation of offender's Act - 1958. The suspended sentence. Nature of Parole. Authorize for granting parole and supervision, conditional release. After care service and Prisoners Aid Cell.

UNIT-V Police and Criminal Justice, Structural organization of Police at Central and State, mode of recruitment and training. Powers and Jurisdiction of Police under various Acts. Arrest, Scizer, Methods of Police Investigation and Liability of Police for custodial death.

RECOMMENDED READING MATERIAL

1. IYER - Prospects in Criminology-Law and Social changes (1980).
2. MANHEIM - Comparative Criminology - A Text Book (1965).
3. ROSS A. - Law and Deviance (1981).
4. SUTHERLAND - Principle of criminology (1978).
5. S. RAO - Crime in our Society (1983).
6. A. SIDDIQUE - Criminology Problem and Perspective (E.B.C.) (Lucknow)
7. E. SUTHERLAND - White Collar Crime (1949).
8. P.H. KOHN - Juvenile Offender and the Law (1971).
9. W. RACKLESS - The prevention of Juvenile delinquency (1972)
10. I.L.I. - Habitual Offender and the Law (1983).
11. INSTITUTE OF SOCIAL DEFENCE- Towards delinquency Control.

12. DAVID ABRAHAMSON - Crime and the Human mind (1974).
13. WALKER, N. - Crime and Criminology - a Critical Introduction.
14. RADZINOWITZ LEION - Ideology of crime (1960).
15. GUILACK SHELDON - Unrevealing Juvenile delinquency.
16. J.M. SETHNA - Society and the Criminals.
17. DAVID ABRAHAMSON - The psychology of Crime.
18. KRISHNA IYER REPORT ON FEMALE PRISONERS - 1986.
19. SCHAZBBRA - The quantum of punishment in Criminal Law.
20. ALF ROSS - ON GUILT-Responsibility and Punishment.
21. LAW COMMISSION OF INDIA- Forty Second Report - Chapters (1971)
22. T.K. BANERJEE - Back Ground of Indian Criminal Law (1990)
23. K.S. SHUKLA - Adolescent off ender (1985).
24. UNITED NATIONS - Begging Rules on Treatment of Young Offenders.
25. P.P. RAJGOPAL - Violence and Response - A Critique of Indian Criminal Justice and System.
26. KATHERNE S. WILLIAMS - Text Book on Criminology (1997), Blackstone London (1997).
27. LOVELAND - The Frontiers of Criminology (1995) Sweet & Maxwell) 1995.
28. D.C. PANDEY - Hostile offenders and the law (1983).

PAPER - V

DRAFTING, PLEADING AND CONVEYANCING

There shall be two parts of this paper. Part- A will consists of theoretical aspect of drafting, pleading and conveyancing caring 70 marks.

Part- B will be based on the practical works caring 30 marks including 10 marks of viva-voce.

The theatrical paper of 70 marks will be taught through the class instructors and simulation exercises preferably with the assistance of retired judges/ practicing lawyers.

PART – A (70 marks)

Part – A shall consist of the following:

UNIT - I Pleading:

(i) Civil: General Principles of Pleadings with Special Reference to the Following :-

Plaint and written statement with reference to the suits mentioned below :-

- (a) Money Suit
- (b) Ejectment Suit
- (c) Injunction
- (d) Interlocutory application under the provisions of C.P.C.
- (e) Suits under Hindu Marriage Act, 1955
- (f) Suits for Specific Performance of Contract
- (g) Original Petition
- (h) Affidavit
- (i) Execution Petition
- (j) Memorandum of Appeal and Revision
- (k) Petition under Articles 226 and 32 of the Constitution of India.

UNIT-II

(ii) Criminal: - Criminal Pleadings with respect to the following:-

- (a) Drafting of First Information Report (FIR U/S 154, Cr.P.C.)
- (b) Drafting of Challan/Charge sheet (under section 173, Cr.P.C.)
- (c) Drafting of Charge by the Court
- (d) Complaints for Commission of offences u/s 294, 323/324, 325, 341, 352 and 506 of the Indian Penal Code.
- (e) Criminal Miscellaneous Petition. Interlocutory Application.

- UNIT-III** (a) Drafting of Bail Application u/s 436 and 437 of Cr.P.C.
(b) Drafting of Anticipatory Bail Application u/s 438, Cr.P.C.
(c) Drafting of Cancellation of bail application u/s 439 (i) and (ii) of Cr.P.C.
(d) Maintenance application u/s 125-128, Cr.P.C.
(e) Memorandum of Appeal and Revision.

UNIT-IV Conveyancing : General Principles of Conveyancing with special reference to the following :-

- (a) Sale Deed
- (b) Mortgage Deed
- (c) Lease Deed
- (d) Exchange Deed
- (e) Gift Deed
- (f) Will Deed
- (g) General Power of Attorney
- (h) Promissory Note

- UNIT - V** (a) C.G. High Court Rules and Orders (Civil)
(b) C.G. High Court Rules and Orders (Criminal)

PART – B (30 marks)

Part – B will be based on the practical work carrying 30 marks including 10 marks of viva-voce.

Practicals

Students will be required to attend the Civil Court for 5 days. The student will observe the proceedings of the Court and take down notes thereon.

After the completion of the attendance and observation of the Court the student will have to submit the report of the proceedings and procedural aspects with their own comments

The evaluation shall be made by the College/SOS in Law on the basis of Participation and record. The Principal/ Head may himself evaluate and allot marks on the record or authorize any senior member of the staff for this purpose. In the later case, the Principal/Head shall countersign on the awarded marks.

Books Recommended :-

1. Mogha's - Pleading
2. Mogha's - Conveyancing
3. N.S. Bindra - Pleading and Practice
4. Murli Manohar - Art of Conveyancing and Pleading
5. Shiv Gopal - Conveyancing, Precedents & Forms.
6. A.K. Banergee and S.k. Awasthi – Guide to Drafting.
7. Prof. J.K. Mittal : Practical training for law student


ORDINANCE NO. 60
MASTER OF LAWS (LL.M.) EXAMINATION

1. The Course for the Degree of Master of Laws under this Ordinance shall extend over a period of two academic years comprising four semesters in all, for each semester there shall be held an examination in the papers prescribed for the said semester concerned. These semesters shall be called as :
- | | | |
|---------------|---|-----------------|
| LL.M. Part-I | - | First Semester |
| LL.M. Part-I | - | Second Semester |
| LL.M. Part-II | - | First Semester |
| LL.M. Part-II | - | Second Semester |
2. LL.M. First Semester shall be made in the month of July every year and the Second Semester examination shall be held in the month of January of the following year.

Examinations for all the Semesters shall be held twice a year, namely, January/February and July/August.

3. (a) A Candidate who after having passed the three years course for the degree of Bachelor of Laws of the University or of any other statutory University recognised as equivalent thereto, with atleast 55% of marks (incase of ST/SC/OBC candidate 50% of the marks LL.B. or equivalent Examination) has prosecuted a regular course of prescribed study for one Semester session in the University Department of Law or any college affiliated to the University shall be eligible to appear at the LL.M. Part-I, First Semester Examination.
- (b) A candidate who after having passed LL.M. Part-I, 1st Semester Examination of the University has prosecuted a regular course of prescribed study for one semester session in the University Department of Law, or in an affiliated College shall be eligible to present himself/herself at the LL.M. part-I, Second Semester Examination.
- (c) A candidate who, after having passed LL.M. Part-I, Second Semester Examination of this University has prosecuted a regular course of prescribed study for one Semester session in the University Department of Law or a College affiliated to the University shall be eligible to appear at LL.M. Part-II, First Semester Examination.
- (d) A candidate who after having passed the LL.M. Part-II, First Semester Examination of this University has prosecuted a regular course of study for one Semester session in this University Department of Law or a College affiliated to the University shall be eligible to appear at the LL.M. Part-II, Second Semester Examination.
4. (a) No candidate shall be permitted to appear for any of the LL.M. Semester Examination unless he has attended atleast 75% of the total number of Lectures and Seminars held during the Semester session.

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(b) Every student of the College/University Teaching Department seeking admission to the examination shall submit through the Principal or Head of the Department as the case may be, application on prescribed form, together with necessary fees and following certificates from the Principal / Head of the Department, viz certificates of :

- i. Good Conduct
 - ii. Fitness to present , himself/herself at the examination and.
 - iii. Of having attended the class teacher's seminars, etc. during the session atleast the minimum number's prescribed in sub-para (a) above.
- (a) No candidate who has appeared in any LL.M. Semester Examination but has not been declared successful thereat in accordance with the provisions contained in the following sub para shall be eligible for admission to the next higher semester class examination.
- (b) In order to declare successful at any of the LL.M. Semester examination every candidates will have to obtain atleast 40% marks in individual papers and atleast 50% marks in aggregate.

Provided that for the purpose of declaration of the result of candidates appearing in LL.M. Part-II, Second Semester Examination, the marks obtained by them in the written examination as well as the viva-voce shall be taken into account.

A Successful candidate shall be assigned division on the basis of the marks obtained by him/her in all the four semester examinations taken together. Those who secure 60% marks or more shall be placed in the FIRST DIVISION. All other successful candidates shall be placed in the SECOND DIVISION.

A candidate who has been declared unsuccessful at a semester examination may at his/her option re-appear at it subsequently as ex-student without being required to attend regular course of study again for the same semester subject to the condition that such a candidate shall abide by and shall be governed by provision of this and **other ordinances as applicable**.

5. The Executive Council shall publish the results of the examination as soon as possible for it.

SCHEMES OF THE EXAMINATION


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- 1 (a) Every candidate appearing for LL.M. Part-I, First Semester shall be examined in the following four papers of 100 marks each in which 80 marks for theory paper and 20 marks for Internal Assessment.

Paper I	-	LEGAL AND CONSTITUTIONAL HISTORY OF INDIA
Paper II	-	CONSTITUTIONAL LAW & NEW CHALLENGES – I
Paper III	-	CONSTITUTIONAL LAW & NEW CHALLENGES –II
Paper IV	-	RESEARCH METHODOLOGY


- (b) Every candidate appearing for LL.M. Part-I, Second Semester shall be examined in the following four papers of 100 marks each in which 80 marks for theory paper and 20 marks for Internal Assessment.

Paper I	-	JURISPRUDENCE AND LEGAL THEORY
Paper II	-	INTERPRETATION OF STATUTES AND THEORY OF LEGISLATION
Paper III	-	INDIAN ADMINISTRATIVE LAW
Paper IV	-	HUMAN RIGHTS AND ENVIRONMENTAL DEVELOPMENT POLICY

**LL.M. PART-I, FIRST SEMESTER EXAMINATION
(Jan/Feb 2018)**

Sr. No.	Course Code	Course	No. of Credit	Max Marks	Min. Marks
1	101	Legal and Constitutional History of India	05	IA – 20, Theory-80	
2	102	Constitutional Law and New Challenges -I	05	IA – 20, Th. -80	
3	103	Constitutional Law and New Challenges -II	05	IA – 20 Th. – 80	
4	104	Research Mythology	05	IA – 20, Th. - 80	
Total			20	Total – 100	

**LL.M. PART-I, SECOND SEMESTER EXAMINATION
(July/Aug 2018)**


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Sr. No.	Course Code	Course	No. of Credit	Max Marks	Min. Marks
1	105	Jurisprudence and Legal Theory	05	IA – 20, Theory-80	
2	106	Interpretation of Statutes and Theory of Legislation	05	IA – 20, Th. -80	
3	107	Indian Administrative Law	05	IA – 20 Th. – 80	
4	108	Human Rights and Environmental Development Policy	05	IA – 20, Th. - 80	
Total			20	Total – 100	

- (c) Every candidate appearing for LL.M. Part-II, First Semester Examination shall be examined in the following papers of 100 marks each in which 80 marks for theory paper and 20 marks for Internal Assessment.

Constitutional and Administrative Law

- Paper I - Constitutional Law of UK and Commonwealth Relation
 Paper II - Constitutional Law of USA and Comparative Studies of Other Federal Systems
 Paper III - Constitutional Law of Canada and Australia
 Paper IV - Constitutional Law of Japan and Switzerland

Crimes and Torts

- Paper I - Criminology
 Paper II - Penology
 Paper III - General Principles of Criminology Law and IPC
 Paper IV - Law of Evidence

LL.M. PART-II, FIRST SEMESTER EXAMINATION Constitutional and Administrative Law (Jan/Feb 2019)


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Sr. No.	Course Code	Course	No. of Credit	Max Marks	Min. Marks
1	109	Constitutional Law of UK and Commonwealth Relation	05	IA – 20, Theory-80	
2	110	Constitutional Law of USA and Comparative Studies of Other Federal System	05	IA – 20, Th. -80	
3	111	Constitutional Law of Canada and Australia	05	IA – 20 Th. – 80	
4	112	Constitutional Law of Japan and Switzerland	05	IA – 20, Th. - 80	
Total			20	Total – 100	

LL.M. PART-II, FIRST SEMESTER EXAMINATION
Crimes and Torts
(Jan/Feb 2019)

Sr. No.	Course Code	Course	No. of Credit	Max Marks	Min. Marks
1	113	Criminology	05	IA – 20, Theory-80	
2	114	Penology	05	IA – 20, Th. -80	
3	115	General Principles of Criminology Law and IPC	05	IA – 20 Th. – 80	
4	116	Law of Evidence	05	IA – 20, Th. - 80	
Total			20	Total – 100	

- (d) Every candidate appearing for LL.M. Part-II, Second Semester Examination shall be examined in the following papers of 100 marks each in which 80 marks for theory paper and 20 marks for Internal Assessment.

Constitutional and Administrative Law

- Paper I - Law and Social Transformation in India
 Paper II - Administrative Law (UK, USA, France and India)
 Paper III - Dissertation
 Paper IV - Viva-Voce

Crimes and Torts

- Paper I - Law of Torts – General Principles
 Paper II - Specific Torts – Special Topics (1) Negligence (2) Vicarious Liability


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Paper III	-	Dissertation
Paper IV	-	Viva-Voce

LL.M. PART-II, SECOND SEMESTER EXAMINATION
(July/Aug 2019)
Constitutional and Administrative Law

Sr. No.	Course Code	Course	No. of Credit	Max Marks	Min. Marks
1	117	Law and Social Transformation in India	05	IA – 20, Theory-80	
2	118	Administrative Law (UK, USA, France and India)	05	IA – 20, Th. -80	
3	119	Dissertation	05	100	
4	120	Viva-Voce	05	100	
Total			20	Total – 100	

LL.M. PART-II, SECOND SEMESTER EXAMINATION
(July/Aug 2019)
Crimes and Torts

Sr. No.	Course Code	Course	No. of Credit	Max Marks	Min. Marks
1	121	Law of Torts – General Principles	05	IA – 20, Theory-80	
2	122	Specific Torts – Special Topics (1) Negligence (2) Vicarious Liability	05	IA – 20, Th. -80	
3	123	Dissertation	05	100	
4	123	Viva-Voce	05	100	
Total			20	Total – 100	

- (e) Dissertation shall be compulsory for each student. Topics of the dissertation shall be allotted by the Head of the Department. This paper contains 100 marks for script writing.

Each student shall also appear for a Viva-Voce examination of 100 marks.

This will be held before a Board of three examiners of whom two will be external and one internal. The absence of one external examiner may, however, be condoned by the Kulpati, if it is caused due to unavoidable circumstances. Ordinarily, the head of Department of Law will be the Internal examiner.

- (f) Distribution of marks of Internal Assessment: - 20 marks of Internal Assessment as to theory papers shall be divided as following –


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- | | |
|-------------------------|---|
| (1) Written Examination | - 10 marks |
| (2) Seminar | - 05 marks |
| (3) Attendance | - 05 marks (above 75% - 05 marks &
above 60% - 03 marks) |

- (g) The following are the Groups of papers, any one of which shall be offered by the candidates appearing for LL.M. Part-II, Examination, Viz

Group – I, Constitutional and Administrative Law

LL.M. Part-II First Semester

- | | | |
|-----------|---|--|
| Paper I | - | Constitutional Law of UK and Commonwealth Relation |
| Paper II | - | Constitutional Law of USA and Comparative Studies of Other Federal Systems |
| Paper III | - | Constitutional Law of Canada and Australia |
| Paper IV | - | Constitutional Law of Japan and Switzerland |

LL.M. Part-II Second Semester

- | | | |
|-----------|---|--|
| Paper I | - | Law and Social Transformation in India |
| Paper II | - | Administrative Law (UK, USA, France and India) |
| Paper III | - | Dissertation |
| Paper IV | - | Viva-Voce |

Group – II, Crimes and Torts

LL.M. Part-II First Semester

- | | | |
|-----------|---|---|
| Paper I | - | Criminology |
| Paper II | - | Penology |
| Paper III | - | General Principles of Criminology Law and IPC |
| Paper IV | - | Law of Evidence |

LL.M. Part-II Second Semester

- | | | |
|-----------|---|--|
| Paper I | - | Law of Torts – General Principles |
| Paper II | - | Specific Torts – Special Topics (1) Negligence (2) Vicarious Liability |
| Paper III | - | Dissertation |

Paper IV - Viva-Voce

Group – III, Personal Laws

LL.M. Part-II First Semester

Paper I -
Paper II -
Paper III -
Paper IV -

LL.M. Part-II Second Semester

Paper I -
Paper II -
Paper III - Dissertation
Paper IV - Viva-Voce

Group – IV, Merchantile Law

LL.M. Part-II First Semester

Paper I -
Paper II -
Paper III -
Paper IV -

LL.M. Part-II Second Semester

Paper I -
Paper II -
Paper III - Dissertation
Paper IV - Viva-Voce

Group – V, International Law Group

LL.M. Part-II First Semester

Paper I -
Paper II -

Paper III -
 Paper IV -

LL.M. Part-II Second Semester

Paper I -
 Paper II -
 Paper III - Dissertation
 Paper IV - Viva-Voce

PAPER – I (PAPER CODE -- 101)

LEGAL AND CONSTITUTIONAL HISTORY OF INDIA

This Course is intended to acquaint students of higher studies in law with the legal and Constitutional History of India beginning from 1600 upto date. Abroad reference will also be made to the history of nationalist movement:

UNIT – I

1. **INTRODUCTORY** : Early Charters and Surat Factory, Legislative Power, King's Commission, Charter of 1600, Charter 1661, Surat Factory.
2. **ADMINISTRATION OF JUSTICE IN MADRAS (1639-1726)** :
First period : 1639 – 1665, Judicial System, Second Period : 1665-1686, Third Period : 1686-1726, Admiralty Court, Mayor's Court, Crimes and Punishments.
3. **ADMINISTRATION OF JUSTICE IN BOMBAY (1668-1726)** :
First Period : 1668-1683, Charter of 1668, Judicial System, Judicial system of 1672, Second Period : 1684-1690, Third Period : 1718-1726, Working of the Court.
4. **ADMINISTRATION OF JUSTICE IN CALCUTTA (1690-1726)** :
Moghul Judicial System, Zemindar's Judicial Powers, Judicial System at Calcutta.

UNIT – II

5. **MAYOR'S COURT** : Corporation, Judicial System, Legislature, Charter of 1726, Madras Charter of 1687, Working of the Judicial System : 1726-1754, Charter of 1753, Courts for the Indians, Defects of the Judicial System.
6. **BEGINNING OF THE ADALAT SYSTEM** : Company becomes Diwan, Significance of Diwani, Execution of Diwani Functions, Judicial Plan of 1772, An Appraisal of the Plan, Plan of 1774, Sardar Nizamat Adalat.

7. SUPREME COURT AT CALCUTTA : Provisions of the Regulating Act, Legislative Authority, Charter of the Supreme Court, Supreme Court and Nizamat & Diwani, Trial of Nandkumar, The Patna Case, The Cossijurah Case, Gora Chand Dutt Case etc., Act of Settlement, 1781, Pitts India Act, 1781, A Dual Judicial System.
8. Supreme Court at Bombay and Madras, Re-organization of the Adalat System, Judicial Measures of Warren Hastings and Cornwallis, Scheme of Criminal Judicature 1790, Further Reforms up to 1793, Defects of the Scheme of 1793, Cornwallis Vs Hastings, Appraisal of the System of 1793.

UNIT – III

9. Progress of the Adalat System: Sir John Shore, Wellesley Amherst, Criminal Judicature after Cornwallis, Adalat System in Bengal: Willium Bentinck and after, Judicial System Beyond Bengal, Racial Discrimination in the Judicial System. Present Judicial System.
10. HIGH COURT: The Indian High Courts Act, 1861, Charter of the Calcutta High Court, Allahabad High Court, The Indian High Courts Act, 1911, The Government of India Act, 1915, Other High Courts, High Courts under the Government of India Act, 1935, Jurisdiction of the High Courts.
11. From Privy Council to Supreme Court : Basis of the Privy Council's Jurisdiction, Appeals to Privy Council, Progress of Indian Appeals : 1833-1845, High Courts-Appeals to the Privy Council, Appeals by special Leave, Appraisal of the System of Appeals to the Privy Council, Move for an Indian Appeal Court, Federal Court, Demise of Appeals to the Privy Council, Supreme Court, Post Constitutional Development.

UNIT – IV

12. Development of Criminal Law (1772-1860), Development of Law : Presidency Towns, Development of Civil Law: Mofussil, Codification of Law : 1833-1882
13. Legislature in India (1861-1950) : The Indian Councils Act, 1861, The Indian Councils Act, 1892, The Indian Councils Act, 1909, The Government of India Act 1909 and The Government of India, Act 1919, The Government of India Act, 1935.
14. Law Reform : , Law Reform, History of Reform, Need for Law Reform, Hindu Law and the Courts, Law applicable to sects and sub-sects, Muslim Law and Custom, Hindu Law and Custom, Hindu Law and Legislature, Muslim Law and Legislature, The Special Marriage Act, 1954, Codification of Hindu Law, Uniform Civil Code, Law Commission in India, Administrative of Justice, Reports of the Law Commission of India.

UNIT – V

15. Constitutional Developments Leading to Indian Independence (1937 to 1947) : The Cripp's Mission, 1942, Draft declaration, Proposal relating to interim Settlement, Quit India Movement, 1942, Wavell Plan and Simla Conference of 1945, The Cabinet Mission.
16. Provincial Representation in the Constituent Assembly
17. Formation of the Interim Government.
18. The Indian Independence Act, 1947, Effects of the Indian Independence Act, 1947, Shaping of the Indian Constitution, Some Aspects of the Indian Constitution, Evolution of the Indian Constitution, Sources of the Indian Constitution.
19. Personal Laws of Hindus and Mohammedans :

20. Law Reporting in India, Growth of the Legal Profession, Legal Education.

BOOKS RECOMMENDED :-

Jain M.P.	:	Outlines of Indian Legal History
Acharya B.K.	:	Codification in British India
Pylee M.V.	:	Constitutional History of India
Archibald W.A.J.	:	Outline of India Constitutional History
Banerjee A.G.	:	Indian Constitutional Documents (Vol. I, II, III)
Fawcett Charles	:	First Century of British Justice in India
Cowell Herbert	:	History and Constitution of the Courts Legislative Authority in India
Kaye, J.W.	:	The Administration of the East India Company
Setalvad M.C.	:	Constitutional History of India
Stephans J.F.	:	Minute on the Administration of Justice in British India
Keith A.B.	:	Constitution History of India
Morey W.H.	:	Administration of Justice in British India
Rankin G.G.	:	Background of Indian Law
Punniah K.V.	:	Constitutional History of India
Trevelyan E.J.	:	The Constitutional and Jurisprudence of the Courts of Civil Justice in British India
Field C.D.	:	Some observations on Codification in India, 1833.
Jayaswal	:	Tagore Law Lectures (917)
Stocks	:	Anglo Indian Courts
Singh G.N.	:	History of the Constitutional Development and Nationalis Movement in India
Kulshreshth, V.D.	:	भारत का वैधानिक इतिहास
Paranjape, V.N.	:	Indian Legal & Constitutional History

LL.M. Part-I, First Semester

PAPER – II (PAPER CODE – 102)

CONSTITUTIONAL LAW & NEW CHALLENGES - I

This Course is intended to acquaint students with the organization and structure of the Indian Polity, its characteristic features and evolution. A comparative study of Constitutional Law of UK & USA is also desirable.

UNIT – 1

1. INTRODUCTION :- Organs of the Government, classification of Constitutions, Forms of Government.
2. HISTORICAL BACKGROUND :- Framing of Indian's Constitution.
3. SALIENT FEATURES OF THE INDIAN CONSTITUTION :- Preamble.

UNIT – II

4. THE UNION AND ITS TERRITORY : Article (1 to 4), Citizenship Article (5 to 11)
5. FUNDAMENTAL RIGHTS (Article 12 to 35) : Concept, Historical Background, nature and scope of Fundamental Rights, Fundamental Rights vis-à-vis Human Rights, States and Laws Right to Equality, Right to Freedom, Right against Exploitation, Right to Freedom of Religion, Cultural and Educational Rights, Saving of Certain Laws, Right to Constitutional Remedies.
6. DIRECTIVE PRINCIPLES OF STATE POLICY (Article 36 TO 51) and FUNDAMENTAL DUTIES (Article 51-A)

UNIT – III

7. THE UNION (Article 52 to 147) : The Executive (Article 52 to 78)
8. THE STATE (Article 152 to 237) : The Executive (Article 153 to 167)

UNIT – IV

9. Union Legislature : Parliament of India (Art 79 to 123)
10. State Legislature : Legislative Council & Legislative Assembly (Art 168 to 213)

UNIT – V

11. Union Judiciary : Supreme Court of India (Art 124 to 147),
COMPTROLLER AND AUDITOR-GENERAL OF INDIA (Art 148 to 151)
12. State Judiciary : High Court of India (Art 214 to 232),
SUBORDINATE COURTS (Art 233 to 237)

BOOKS RECOMMENDED :-

Pandey J.N.	:	The Constitutional Law of India
Kumar Narendra.	:	Constitutional Law of India
Rai Kailash	:	Constitutional Law of India
Shukla V.N.	:	Constitution of India
Jain M.P.	:	Indian Constitution
Basu D.D.	:	Commentaries on Indian Constitution
Sen D.K.	:	Comparative Study of Indian Constitution
Seervai H.M.	:	Constitutional Law of India
Keith A.B.	:	Constitutional History of India
Tripathi P.K.	:	Spotlights and Constitutions
Dauglus W.O.	:	Studies in Indian and American

Gledhill A.	:	Constitutional Law
Setalvd M.E.	:	Fundamental Rights
Subramaniam	:	The Indian Constitution.
Basu	:	Case Law of Indian Constitution
	:	Case Law on Indian Constitutional Law
Shiv Rao B.	:	The framing of Indian Constitution
Where K.C.	:	Modern Constitution
Indian Law Institute	:	Central State Relations
Indian Law Institute	:	Delegated Legislation in India
Austin	:	The Indian Constitution : Cornerstone of a Nation
Where K. C.	:	Federalism



LL.M. Part-I, First Semester

PAPER – III (PAPER CODE – 103)

CONSTITUTIONAL LAW & NEW CHALLENGES -II

This Course is intended to acquaint students with the organization and structure of the Indian Polity, its characteristic features and evolution. A comparative study of Constitutional Law of UK & USA is also desirable.

UNIT – I

01 LOCAL AUTHORITIES : The Union Territories (Article 239 to 241), The Panchayats (Article 243 to 243-O) The Municipalities (Article 243-P to 243-ZG)

02 ELATIONSHIP BETWEEN THE UNION AND THE STATES (Article 245 to 263): Legislative Relations (Article 245 to 255), Administrative Relations (Article 256 to 263)

UNIT – II

03 FINANCE, PROPERTY, CONTRACTS AND SUITS (Article 264 to 300-A) : Finance, Financial Provisions, Borrowing, Property, Contracts, Rights, Liabilities, Obligations and Suits, Right to Property, Trade, Commerce and Intercourse within the Territory of India (Article 301 to 307).

UNIT – III

04. SERVICES UNDER THE UNION AND THE STATES (Article 308 to 323).

05. TRIBUNALS (Article 323-A & 323-B), Elections (Article 324 to 329), Special Provisions relating to Schedule Caste and Schedule Tribal Caste (Article 330 to 342), Language of the Union (Article 343 to 344), Regional Language (Article 345 to 347), Language of the Supreme Court and High Courts (Article 348 to 351)

UNIT – IV

06. EMERGENCY (Article 352 to 360) and Miscellaneous (Article 361 to 367)

UNIT – V

07. UTION (Article 368) : All Amendments of the Constitution till date and All the Schedules.

BOOKS RECOMMENDED :-

Pandey J.N.	:	The Constitutional Law of India
Kumar Narendra.	:	Constitutional Law of India
Rai Kailash	:	Constitutional Law of India
Shukla V.N.	:	Constitution of India
Jain M.P.	:	Indian Constitution
Basu D.D.	:	Commentaries on Indian Constitution
Sen D.K.	:	Comparative Study of Indian Constitution
Seervai H.M.	:	Constitutional Law of India
Keith A.B.	:	Constitutional History of India
Tripathi P.K.	:	Spotlights and Constitutions
Dauglus W.O.	:	Studies in Indian and American Constitutional Law
Gledhill A.	:	Fundamental Rights
Setalvd M.E.	:	The Indian Constitution.
Subramaniam	:	Case Law of Indian Constitution
Basu	:	Case Law on Indian Constitutional Law
Shiv Rao B.	:	The framing of Indian Constitution
Where K.C.	:	Modern Constitution
Indian Law Institute	:	Central State Relations
Indian Law Institute	:	Delegated Legislation in India
Austin	:	The Indian Constitution : Cornerstone of a Nation
Where K. C.	:	Federalism

LL.M. Part-I, First Semester**PAPER –IV (PAPER CODE – 104)****RESEARCH METHODOLOGY****UNIT – I**


- 01 Introduction, Scope of Sociology, Nature of Social Phenomenon, Characteristics of Social Phenomenon
- 02 Law-- Meaning of Law, Nature of Law, Purpose of Law, Sociology of Law, Importance of duty/ obligation, Relation between juristic science and social science

UNIT – II

- 03 Meaning, Nature and Scope of Legal Research—Introduction, meaning of research, Legal Research, Importance and Utility of Research, Nature of legal research and legal research method, Benefits of legal research, Necessity of legal research, Scope of legal research, Aims and objective of legal research, Motivating factors of legal research, Facts, events and data of legal research, Basic assumptions of socio-legal research, Quality of a good legal researcher.

UNIT – III

- 04 Legal research Methodology—Meaning of methodology, Research method and Research technique, Main Characteristics of research methodology.
- 05 Background and Development of Legal Research in India—The different Phases of legal research in India(First, Second, Third and Fourth Phases of legal research in India)
- 06 Various Kinds of Legal Research-- Kinds of research according to objectives of study material, Kinds of research according to the methods available for doing research, Legal Reasoning, Concept and their Role in Scientific legal investigation, Theory and research.
- 07 Major Steps involved in doing legal research(The legal research process), Selection or Formulation of legal research problem or topic.


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UNIT – IV

- 08 Hypothesis—Meaning, Characteristics and Sources of Hypothesis, Types of Hypothesis, Testing of the Hypothesis, Legal Research Design, Part of Research Design, Characteristics of a good research design, Types of research design, Sampling design for legal research, meaning of Sampling, Merits and demerits of sampling, Characteristics, Types of Sampling
- 09 Research Data, Forms, Sources, Tools and Collection of Data, Different methods for collecting the data, Observation Method and its different kinds, Interview Method and its different kinds, Schedule Method and its kinds, Questionnaire Method and its kinds, Case Study Method and Survey Method

UNIT – V

- 10 Data Processing—Editing, Coding, Classification and Tabulation, Analysis and Interpretation of Data, Generalization in Legal Research, Problem of measurement in legal research, Scaling technique in legal research, Sociometry in legal research, Jurimetrics.
- 11 Method of using Libraries and the use of Computer in legal research. Inter-Disciplinary Research
- 12 Preparation of Research Report and its Writing.

REFERENCE BOOKS:

- 1---Dr. S.R. Myneni-Legal Research Methodology, Published by Allahabad Law Agency
- 2---Dr. H.N. Tiwari- Legal Research Methodology, Published by Allahabad Law Agency
- 3---Shilpa Agrawal- Legal Research Methodology
- 4---Indian Law Institute-Legal Research and Methodology, Edited by S.K. Verma and M. Afzal Wani
- 5---William P. Statisky- Legal Research
- 6---Evwinc Surrency- A Guide to Legal Research
- 7---William J. Goode & Paul K. Hatt-Method in Social Research
- 8---Dr. H.N. Giri-Legal Research Methodology (Written in Hindi)
- 9---Dr. Sanjay Kulshrestha-Vidhik Anushandhan Paddhatiya(Written in Hindi)
- 10---Dr. Bashanti Lal Babel-Legal Education and Research Methodology(Written in Hindi)


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LL.M. Part-I, Second Semester

PAPER -- I (PAPER CODE -- 105)

JURISPRUDENCE AND LEGAL THEORY

UNIT-I

1. **CRITICAL SURVEY OF LEGAL THEORIES** : Natural Law and the search for absolute values, the problem of natural law, ancient theories, reasons and the law of nature, natural law and social contract (Grotius, Hobbes, Locke, Rousseau) Revival of Natural Law theories

UNIT-II

2. **PHILOSOPHICAL IDEALISM AND THE PROBLEM OF JUSTICE** : German Transcendental Idealism (Kant, Fichte, Hegel) Neo Kantian Philosophy and Scientific legal idealism, modern value, philosophy and Law.

UNIT-III

3. **THE IMPACT OF SOCIAL DEVELOPMENT ON LEGAL THEORIES, HISTORICAL EVOLUTION AS A GUIDE TO LEGAL THOUGHT, BIOLOGY, SOCIETY AND LEGAL EVOLUTION, MODERN SOCIOLOGICAL THEORIES OF LAW.**

UNIT-IV

4. **POSITIVISM AND LEGAL THEORIES** : Kelsen's pure theory of law, Utilitarianism, the Jurisprudence of interests and legal idealism,

Legal Theory and contemporary problems : Legal theory of Modern political movements, socialistic and

communist theories of law, Neo- Scholastic Doctrine and modern catholic legal philosophy.

UNIT-V

5. LIABILITY PROPERTY OBLIGATION & EVIDENCE

- a) Rights and Duties
- b) Possession and ownership
- c) Person
- d) Title
- e) **Liability** - Definition, Nature, Kind - Civil and Criminal General conditions of liability - Negation, Their Theories Subjective & Objectives, Mental aspects, Duty of care, Standard & Care, Exemptions for Liability.
- f) **Obligation** - Definition, kinds and sources of obligation.
- g) **Property** - Its meaning and kinds and theories mode & acquisition, Its relation with law.
- h) **Evidence** - Procedural and Substantial, Element of Judicial procedure Evidence its nature and kinds.

BOOKS RECOMMENDED -

1. HLA Hart - The Concepts of Laws (Oxford) ELBS
2. Salmond - Jurisprudence (Tripathi) Bambay
3. G.W. Paton - Jurisprudence (Oxford) ELBS
4. RWM Dias - Jurisprudence (Indian Rep.) (Aditya), New Delhi.
5. V.D. Mahajan - Jurisprudence Legal Theory (EBC), Lucknow
6. W. Fridmann - Legal Theory (1999) (Universal) Delhi.
7. S.N. Dhyani - Jurisprudence - A study of Indian Legal Theory (Metropolitan), New Delhi.
8. M.S. Pandit, Out lines of Ancient Hindu Jurisprudence

LL.M. Part-I, Second Semester


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PAPER – II (PAPER CODE – 106)

INTERPRETATION OF STATUTES & THEORY OF LEGISLATION

The Courses is intended to acquaint the students of advance studies in Law with the History and Development of Legislation with special reference to the Western Legal Systems and a comparative study of legislation in India Legal System particular attention is to be paid to the Benthamite movement of legislation and its comparative impact on other legal systems. The subject of study shall inter-alia include- (1) Principles of Legislation (2) Methods of Legislation, and (3) Interpretation of Statutes.

UNIT-I

1. **PRINCIPLES AND LEGISLATION – LAW :-**
Legislature, Executive and Judiciary, Principle of Utility, Operation of these Principles upon Legislation, Distinction between Morals and Legislation.

INTERPRETATION OF STATUTES - Introduction, Meaning, Commencement, Operation and Repeal of Statutes, Purpose of Interpretation of Statutes Classification of Statutes.

UNIT-II

- (2) **GENERAL PRINCIPLES OF INTERPRETATION** - Primary Rules, Literal Rule, Golden Rule, Mischief Rule (Rule in the Hydon's Case) Rule of Harmonious Construction. Secondary Rules, Noscitur a Soclis, Ejusdem Generis, Reddendo Singula Singulis, Utres Magis Valeat Quam Pereat, Contemporanea Expositio est Fortissima in Lege.

PRESUMPTIONS IN STATUTORY INTERPRETATION - Presumption as to Jurisdiction, Presumption Against inconvenient or Absurd, Presumption Against Intending Injustice, Presumption Against Impairing Obligations or Permitting from One's Own Wrong, Prospective Operation of Statutes.

UNIT-III

- (3) **AIDS TO INTERPRETATION AND MAXIMS OF STATUTORY INTERPRETATION** - Internal Aids and External Aids, MAXIMS - Delegates Non Potest Delegare, Expressio Unius Exclusio Alterius, Generalia Specialibus non Derogant, In Pari Delicto Potior Est Condition Possidentis, Utresvalet Potior Quam Pareat, Expressum Facit Cessare Tacitum, Jure Nature Sunt Immutabilia.

UNIT-IV

- (4) **INTERPRETATION WITH REFERENCE TO THE SUBJECT MATTER AND PURPOSE** : Beneficial Construction, Strict Construction of Penal Statutes and Taxing Statutes, Construction and Interpretation of Welfare Legislation, Harmonious Construction of the Statutes, Interpretation of Statutes in Pari Materia, Amending, Consolidating and Codifying Statutes, Mandatory and Directory Enactments and Conjunctive and Disjunctive Enactments.

UNIT-V

- (5) **PRINCIPLES OF CONSTITUTIONAL INTERPRETATION** : Principles of Implied Powers, Incidental or Ancillary Power, Doctrine of Pith and Substance and Colorable Legislation, Principles of Implied Prohibition, Occupied Field and Territorial Nexus, Doctrine of Severability and Repugnancy and Doctrine of Eclipse and Ancillary Powers. Retrospective and Prospective Operation of Statutes.

Books Recommended :

Bentham	: Theory of Legislation
Jethro Brown	: Undertaking Principles of Modern Legislation
Decey A.V.	: Law and Public Opinion
Illbert C.	: Mechanics of Law Making
Maxwell	: The Interpretation of Statute


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Sing G.P.	: Principles of Statutory Interpretation
Beal	: Rules of Interpretation
Ginsberg Century	: Law and Public Opinion and England 20 th
Rathan Swami	: Legislation Principle and Practice
Craize	: Interpretation of Statute Law
James	: Bentham and Legal Theory
Dale W.	: Legislative Drafting a New approach
Cross R.	: Statutory Interpretation
Odgers	: Constriction of Deeds and Statute
Swaroop J.	: Legislation and Interpretation
Bentham	: Principles of Statutes in British India
Sarathi, V.P.	: Interpretation of Statutes.
Tripathi, N.M.	: Maxwell's Interpretation of Statute
Dicey A.V.	: Law and Public opinion in England
Arora J.D.	: Principles of Legislation (in Hindi)

LL.M. Part-I, Second Semester

PAPER – III (PAPER CODE – 107)

INDIAN ADMINISTRATIVE LAW

UNIT-I

1. Introduction of administrative law, administrative process, discretion and direction :

Definition of Administrative Law, Development of Administrative Law, Nature and Scope of Administrative Law, Rule of Law and Administrative Law, Separation of Powers and Administrative Law, Changing role of the State and It's impact on Administrative Law.

Administrative Process - Administrative Processes in India : The President vested with the Executive Power (1) Emergency powers of the President (2) An Evaluation of the President's powers (3) Can Mandamus be availed of against abuse of power under part XVIII of the Constitution, Ministerial Responsibility, The Indian Approach as to Minister's Powers., Development of Administrative Law in India. The Progress of Administrative Adjudication

Administrative Discretion - Meaning, nature and criteria, its use or principle applicable for its use, need for administrative discretion, limit on exercise of discretion, malafide exercise of discretion acting under dictation, constitutional imperative... and use of discretionary authority, non-application of mind, unreasonableness and standard of reasonableness, taking irrelevant consideration or not taking in to consideration among relevant matter, non exercise of discretionary powers, administrative arbitrariness and bias. Procedural safe guards for use of discretion.

Administrative Direction - its use and classification, its unenforceability.

UNIT-II

Delegated legislation, Administrative adjudication & Tribunal

Reason for development of Delegated Legislation, methods of Delegates: Power to fill in details, Power of inclusion and exclusion, Power to modify the statute, Power to bring and Administrative into operation.

Delegated legislation, its historical background and function, reasons for its growth, need for delegation of administrative power, kinds of delegated legislation, sub-delegated legislation and conditional legislation, constitutionality of delegated legislation in Britain and India, Re Delhi Laws Act, Power of exclusion and

inclusion and power to modify statutes, essential legislative functions, requirement for the validity of delegated legislation.

Judicial control of delegated legislation - Doctrine of ultra virus, its kinds, substantive and procedural grounds for its applicability, consultation, sub delegation, publication, administrative directions, circular legislative or parliamentary control on delegated legislation, laying procedure, policy statement, committees on delegated legislation and hearing before it, sub delegation & powers, guide-lines for it, and control of sub delegation, administrative adjudication and tribunals, reasons for proliferation of administrative tribunals, functional approach characteristics and feature of administrative tribunals, Basic difference between a court and a tribunals, position of tribunals in India, CAT its purpose, establishment and composition, jurisdiction power and authorities, aspect of tribunal practice and administrative procedure, procedure before the enquiry or hearing, procedure at the tribunal hearing and procedure after tribunal hearing, frank committee report, administrative tribunal act 1985, administrative tribunals and appeal judicial review and finality of the tribunal decision, reopening of tribunal proceeding rule of resjudicate, Administrative tribunals in India.

UNIT-III

The Principles of Natural Justice : Principle of natural Justice and violation thereof, The first principles: Justice in one's own cause, Bias, Judge's Bias, The second principle- Hearing the other side, Limit to the rule of Audi alteram Partem. The third principle: party to know the reason for the decision, effect of contravention: void or voidable. Against whom natural justice are not violated, when rules of natural justice are not violated, General Principles as revealed by Judicial Decisions, Limits of Judicial Review, Exceptional exclusion of Natural Justice.

UNIT-IV

State Liability for Wrongs Act & Commission of Inquiry & Corporate:

Liabilities for torts, distinction between sovereign and commercial functions, constitutional provisions in this regard, act of state and statutory immunities contractual liability of Govt., Government privilege in legal proceeding state secrets, public interest, transparency and right to information estoppec and waiver.

Remedies against administrative acts, constitutional remedies writ injunctions, its nature and types, distinction between injunction and mandamus, suit for declaration, its condition and nature, suits for damages.

Public enquiry and commission of enquiry, general enquiry under service rules, procedure in disciplinary action and Provisions of commission of enquiry act 1952. and

Corporation : Corporations, its kinds and characteristics, its classification, legal and constitutional provisions & their responsibilities in contract and in tort, position of their employee whether they are civil servants ? Control on corporation, legislative control, judicial control, governmental control and public controls.

UNIT-V

Ombudsman, Vigilance commission & Right to Information Act

Ombudsman, its development in Newzealand, Britain and Australia. Position of Ombudsman in India. Lokpal and Lokayukt and their position, Public Interest litigations its nature and importance in Democracy. Central vigilance commissions its powers and functions

Right to Information Act, 2005-Introduction, Right to Information and Voluntary Organization, Right to Information in the Foreign Countries, Request for Right to Information, Constitution, Rights and Obligations of the Information Agencies, Procedure of Disposal of Applications and Complaints by State Commissions with special reference to Section 18, 19 and 20 of Right to Information Act 2005.

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Books Recommended :

1. Jain and Jain - Principles of Administrative law, Tripathi (1986).
2. Wade - Administrative law (Indian Rep.) Universal Delhi.
3. J.C. Garner - Administrative law, Butherworth (1990)
4. D.D. Basu - Comparative Administrative law (Prentice Hall).
5. I.P. Massey - Administrative law EBC, Lucknow. (1996).
6. M.P. Jain - Cases and material on Indian Administrative law (Vol I & II) 1998
Universal book traders Delhi.
7. S.P. Sathe - Administrative law (1998), butterworth (India), Delhi.
8. De Smith - Judicial review of Administrative Action (1995) with supplement, Sweet & Maxwell.
9. M.A. Fazal - Judicial control of administrative action in India Pakistan & Bangladesh (2000), Butterworth India.
10. Indian law institute - Cases and material on Admininstrative law in India vol. I (1996), Delhi.



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LL.M. Part-I, Second Semester

PAPER – IV (PAPER CODE – 108)

HUMAN RIGHTS & ENVIRONMENTAL DEVELOPMENT POLICY

UNIT-I

1. CONSTITUTION AND HUMAN RIGHTS: Fundamental Rights, Directive Principles and Fundamental Duties, International Human Rights and the Indian Constitution, Judicial Review and Administrative Actions with reference to Human Rights, State of Human Rights during Emergency (v) Judicial Activism – protection of human rights, Liberty, Equality and Fraternity in Human Rights Perspective.

UNIT-II

2. SPECIAL LAWS FOR PROTECTION OF SPECIFIC CATEGORIES / VULNERABLE SECTIONS OF THE PEOPLE : Reservations and the Right to Equality, Protection of Minorities- Cultural and Educational Rights, Contract and Unorganized Workers, Bonded Labor, Tribal People
- 3.

UNIT-III

4. ENFORCEMENT OF HUMAN RIGHTS : Judiciary: Article 32, Article 226 – Public Interest Litigation, National Specialized Agencies: Law Commission, SC/ST commission, Minorities Commission, Women's Commission, Human Rights Commissions, Criminal Justice Delivery System, Legal Aid, NGO's, Social movements and pressure groups working through democratic institutions such as lobbying MPS, Media, International Redressal Mechanism.

UNIT-IV

5. THE CONCEPT OF ENVIRONMENT :
- (1) Meaning and Historical Perspective, Traditions, Natural and Biological Sciences: Perspectives, Modern concept : Conflicting dimension.
- (2) INTERNATIONAL PERSPECTIVES AND DEVELOPMENT: Stockholm Declaration, 1972, Right to development: UN Declaration on the Right to Development, 1986, Right to development versus right to clean environment, Rio Declaration: Sustainable development.

- (3) ENVIRONMENTAL PROTECTION IN INDIA : Constitutional rights and duties, Precautionary principle, Public trust doctrine, Polluter pay principle

UNIT-V

6. ENVIRONMENTAL PROTECTION IN DEVELOPING COUNTRIES : (1) Poverty, Indigenous people and Tribal, Developing economies, Depletion of forest and natural resources. INTERNATIONAL CONCERN : World environment movement, Natural and cultural heritage: Common Heritage Principle, Role of international and regional organization, International financing policy and world environment fund, Global Environmental Facility (GEF).

Books Recommended :

1. J.K. Starke - An Introduction to the International Law.
2. J. L. Brierley - The Law of Nations (Oxford)
3. A.K. Pillai - National Human Rights Commission.
4. S.K. Verma - An Introduction to Public International Law (Prentice-Hall India).
5. All the Covenants and Conventions.
6. Shaw M.N. - International law (CUP).
7. M.C. Nair - The Law of Treaties (Oxford)
8. Paras Diwan & Piyushi Diwan - Human Rights & The Law - Universal & Indian.
9. S.K. Kappor - Human Rights under International Law and Indian Law Central Law Agency Allahabad.
- (2) 10. D.D. Basu - Human Rights in Constitutional Law (Prentice - Hall).

Group A CONSTITUTIONAL AND ADMINISTRATIVE LAW

THIRD SEMESTER

PAPER - I (PAPER CODE 109)

**CONSTITUTIONAL LAW OF UK AND
COMMONWEALTH RELATION**

Unit-I

The nature of British Constitutional development, Rise and growth of Parliament. The nature of the British Constitutional Law, Fundamental Laws and Judicial review of legislation, The scope of Constitutional Law, The functions of the Government doctrine of separation of power, The rule of law general characteristics of the British Constitution conventions of the British Constitutional law, nature and classification of the conventions.

Unit-II

The central government- The monarchy and its relevance, The Royal prerogative and immunities general nature of the prerogative, The prerogative in domestic areas and foreign affairs, The cabinet and the Prime-Minister Parliamentary Supremacy- History, Growth and nature of Parliamentary Supremacy Limitation on the sovereignty of Parliament, The birth growth composition fundamental and importance of the House of Lords, The development, organization, powers and functions of the House of Commons, Parliamentary or legislative procedure, committee system, Parliamentary privileges.

Unit-III

The United Kingdom and Europe- Introduction, The Sources of Community Law, European Community Act 1972, Community Law as a source of domestic Law, Parliament and Community Law, The impact of Community Law, The Armed Forces and the Emergency Powers of the executive emergency powers and personal freedom.

Administration of Justice- Features and organization of the British Judicial system, Composition, Powers and Jurisdiction of the Supreme court the Privy councils, The Judicial functions of the Privy council at present day.

Unit-IV

Rights and Duties of the individual – Rights of the individual under the United Kingdom Constitution, International Covenants, European Convention for the protection of human rights and fundamental freedoms, 1950 and European Social charter, 1961 and the Human Rights Act, 1998 Freedom of person and freedom of property, freedom of expression, freedom of assembly and freedom of Association, Nationality Citizenship, Immigration and Extradition.

Unit-V-

The Commonwealth- Dependent Territories- The British Islands, Territories of the commonwealth, British Colonies, The Colonial Validity Act, 1965, Independence within the commonwealth- The Dominions and the statute of Westminster (The Statute of Westminster 1931), Extension of U.K. legislation to the dominions, The commonwealth at present day, Appeals to the Privy Council- Appeals from dependent territories and Appeals from Independent commonwealth countries.

BOOKS RECOMMENDED:

Dicey A.V.	:	Law of the Constitution
Wade and Phillips	:	Constitutional Law
Hood and Phillips	:	Constitutional Law
Keir and Lawson	:	Cases on Constitutional Law
Jenning and Young	:	Constitutional Law of the Common Wealth
Jenning	:	Law and Constitution
Yeardley and Young	:	Introduction to British Constitutional Law
Mackintosh	:	British Constitution
Jenning	:	Cabinet Government
Cooley	:	Constitutional Limitations
Gladhill. A.	:	British Commonwealth
Hood Phillips & Jackson	:	Constitutional and Administrative Law

डॉ. वी. पी. सिंह : विश्व के प्रमुख संविधान

PAPER –II (PAPER CODE 110)

CONSTITUTIONAL LAW OF USA AND COMPARATIVE STUDIES OF OTHER FEDERAL SYSTEMS

Unit-I

General Background of the Constitution of USA—Historical Background of the

Constitution, Causes of the Revolution, Establishment of Confederation, Articles of Confederation, Nature of Confederation, Defect of Confederation, Failure of Confederation.

The Constitutional Convention—Making of the Constitution(Philadelphia Convention), Compromises of Philadelphia Convention, Ratification of the Constitution, Growth of the Constitution ,Methods and sources of the development of USA Constitution, Salient Features of the American Constitution.

Unit-II

Separation of Powers, Doctrine of Check and Balances, Criticism of the Separation of Powers in America. Delegation of Legislative Powers, Methods of Control over Delegation of Power.

Amendments of the Constitution—Procedure for Amendment of the Constitution, Ratification by the States, Scope of Amendments, All amendments of the Constitution.

Unit-III

American Federal System—Formation of Federation, Federal Features in the American Constitution, Distribution of Powers, Method of Distribution ,Powers of the Federal Government and the Powers of the State Governments(Powers possessed and Powers denied of both the Government) Residuary powers of the State Government, Doctrine of Implied Powers, Factors Responsible for the growth of National Powers in America.

The President—Characteristics of American Presidency, Election of President, Powers and Functions of the President, American Cabinet system

The American Congress—Composition, Powers and Functions of the Senate, Composition, Powers and Functions of the House of Representative, Legislative Procedure and Committee System.

Unit-IV

Federal Judiciary in America(Supreme Court and Judicial Review)—Organization of Federal Judiciary, Composition , Appointment,

Tenure, Removal of the Judges of the Supreme Court, Working of the Supreme Court, Jurisdiction and Role of Supreme Court, Judicial Review, Judicial Activism or Judicial Self Control.

Fundamental Rights under the American Constitution—Classification and Description of Fundamental Rights (i) Personal Rights (ii) Rights relating to Judicial Process (iii) Rights to Property.

Unit-V

Co-operative Federalism, Financial Relation of Federal and State Government,

The Taxation and Fiscal powers of Congress, Direct Taxes and Excises.

Interstate Commerce Clause under the American Constitution, Doctrine of Immunity of Instrumentalities under the USA Constitution, Doctrine of Eminent Domain, Police powers of the State.

War Powers under the American Constitution, Military Law, Power to make Peace, Admission of New States, Citizenship.

BOOKS RECOMMENDED:

Growin	:	Constitution of the United States
Growin	:	Constitution and what means today
Thoms M. Cooley	:	Constitutional Law in the USA
Ridge	:	Constitutional Law
Tressolini	:	American Constitutional Law
Mason and Beane	:	American Constitutional Law
Pritchett C.H.	:	American Constitutional
Antieau	:	Commentaries on the Constitution of USA
Shapin	:	American Constitutional Law
Enight	:	Constitutional Law
Kelley & harbinson	:	American Constitution
डॉ. वी. पी. सिंह	:	विश्व के प्रमुख संविधान

PAPER – III (PAPER CODE 111)

CONSTITUTIONAL LAW OF CANADA AND AUSTRALIA

Unit I–

Historical Development, History of Constitution, Durham Report, Origin of Canadian Federation, Sources of the Constitution of Canada, Salient Features of the Constitution, Conventions of the Constitution, Nature of the Constitution, Federal Features of the Canadian Constitution.

Unit II

Dominion Executive – crown, governor general of Canada, Powers of the Governor General, Real position of governor general, Utility and usefulness of the Governor General, The privy council of Canada, Canadian cabinet, composition, powers and functions of the cabinet, Prime minister, position and power of PM

The Canadian Legislature – Composition, powers and functions of the senate, Comparison between USA senate and Canadian senate, Composition, powers and functions of the House of Commons, Procedure of law making

Canadian Judiciary – features of Judiciary, courts of Canada, powers of Supreme Court of Canada, Judicial review in the constitution of Canada

Unit III

History of Development of Australia, making of the Constitution, features of the constitution of the Australia, Federal system in Australian constitution. Characteristics of federal system, Distribution of Powers, Reasons of the extension of powers of federal Government. The Federal Executive- The governor General, Powers and functions of the Governor General. Appointment of Prime Minister Powers and functions of Prime Minister, Position of Prime Minister, Cabinet, Composition, Powers and function of cabinet.

Unit IV

The Parliament- The senate, Composition, Powers and function of senate, House of Representative, Composition, Powers and functions of House of Representative, President of Senate, Speaker of House of Representative, Privileges etc. of Houses. Legislative procedure, Powers of the House in respect of legislation.

Unit V

The Judiciary- Organization of Judicial system in Australia, Powers, functions and jurisdiction of the High court of Australia, Finance, Scope of trade and commerce power in Australian Constitution, Taxing powers, Doctrine of Immunities of

Instrumentalities State autonomy in Australia, Commonwealth Grant
Commission of Australia, Procedure of amendment of the constitution
Incidental powers.

BOOKS RECOMMENDED:

Paton	:	Law of Commonwealth of Australia
Swat	:	Cases on Constitutional Law of Australia
Sweetman	:	Australia Constitutional Developments
Mitchell E.	:	Essays on the Australian Constitution.
Howard	:	Australian Federal constitutional Law
Lane	:	An Introduction to the Australian Constitution.
Lumb;	:	The Constitution of common Wealth Australia
Fajanbauem	:	Australian Constitutional Law Cases
Lane P.H.	:	The Australian Federal System
डॉ. वी. पी. सिंह:		विश्व के प्रमुख संविधान
डॉ. ओ पी. नागपाल		जापान, आस्ट्रेलिया और नेपाल का संविधान

PAPER – IV (PAPER CODE 112)

CONSTITUTIONAL LAW OF JAPAN AND SWITZERLAND

Unit I

Historical Background of Japan ,Importance Of The Study Of The Japanese Constitution , Constitutional Development Of Japan , Meiji Constitution Framing of The Modern Constitution.

Nature of The Japanese Constitution, Characteristics Features of the Constitution, Comparison between the old and new Constitution.

The Rights and Duties of the People-

Introduction, General Provision, Specific Rights, Procedure of amendment of the Constitution.

Unit II

The emperor- powers and functions of Emperor , Real Position of Emperor , The Cabinet , Composition of the Cabinet , Powers and Functions of The Cabinet.

The Legislature – History of Diet, Composition , powers and functions of the House of Representatives , Composition , Powers and Functions of the house of Councilors , Legislative Procedure , Committee System in Japanese Constitution.

Judiciary -- Organization of Modern Judiciary, Constitution Powers and Jurisdiction of Supreme Court.

Unit III

Swiss Constitution – Historical Background, importance of the Swiss Constitution, Characteristics of the Swiss Constitution. Basic, Civil and social rights.

The Swiss Federal System, Dual polity System, Distribution of Powers, Federal status of the cantons, Extension of the powers of the centre procedure of amendment.

Unit IV

The Federal Legislature- Composition , Powers and functions of the council of states, privileges and Immunities, Composition , Powers and Functions of the National Council, Powers of the Federal Assembly, Working of the Federal Assembly.

Federal Executive—Organization of the Federal Council, Powers and Functions of the Federal Council, Relation of the Federal Council with the Federal Assembly, President of the Swiss Confederation, Nature of the Federal Executive, The Federal Chancellery.

Unit V

The Federal Tribunal—Organization of the Swiss Court System, Jurisdiction of the Federal Tribunal, The Federal Tribunal and Judicial Review,

Cantons- Administration of cantons, Districts and Communes method of Direct democracy in Swiss Constitution- Primary Assemblies.

Referendum and Initiative, merits and demerits of Referendum and Initiative.

BOOKS RECOMMENDED:

Beckmann, George M	The making of the Meiji Constitution. (Lawrence, 1957)
Cabinet Secretariat	The Constitution of Japan (Tokyo, 1947)
Fujisawa, F.	: The Recent Aims and Political Development of Japan
Gubbins, J.H.	: The Making of modern Japan (London, 1922)
Ike, N.	The Beginning of Political Democracy in Japan Baltimore, 1950)
Butty N.	: Parliamentary Democracy in Japan
Kapoor A.C.	: Selected Constitutions
Hughes	: The Federal Constitution of Switzerland
Rao B.S.	: Selected Constitution of the World
Basu	: Selected Constitution of the World
डॉ. वी. पी. सिंह:	विश्व के प्रमुख संविधान
डॉ. ओ पी. नागपाल	जापान, आस्ट्रेलिया और नेपाल का संविधान

GROUP - I CONSTITUTIONAL AND ADMINISTRATIVE LAW

FOURTH SEMESTER

PAPER - I (PAPER CODE 117)

LAW AND SOCIAL TRANSFORMATION IN INDIA

Unit I–

1. LAW AND SOCIAL CHANGE

Law as an instrument of social change.

Law as the product of traditions and culture. Criticism and evaluation in the light of colonization and the introduction of common law system and institution in India and its impact on further development of law and legal institutions in India.

2. RELIGION AND THE LAW

Religion as a divisive factor.

Secularism as a solution to the problem.

Reform of the law on secular lines : problems

Freedom of religion and non-discrimination on the basis of religion.

Religious minorities and the law.

Unit II

3. LANGUAGE AND THE LAW

Language as a divisive factor: formation for linguistic states.

Constitutional guarantees to linguistic minorities.

Language policy and the Constitution: Official language; multi-language system.

Non-discrimination on the ground of language.

4. COMMUNITY AND THE LAW

Caste as a divisive factor.

Non-discrimination on the ground of caste.

Acceptance of caste as a factor to undo past injustices.

Protective discrimination: Scheduled castes, tribes and backward classes.

Reservations; Statutory Commissions, Statutory provisions.

Unit III

5. REGIONALISM AND THE LAW

Regionalism as a divisive factor.

Concept of India as one unit

Right of movement, residence and business; impassibility of state or regional barriers.

Equality in matters of employment: the slogan "Sons of the soil" and its practice.

Admission to educational institutions: preference to residents of a state.

6. WOMEN AND THE LAW

Crimes against women.

Gender injustice and its various forms.

Women's Commission.

Empowerment of women: Constitutional and other legal provisions.

Unit IV

7. CHILDREN AND THE LAW

Child labour.

Sexual exploitation.

Adoption and related problems.

Children and education.

8. ALTERNATIVE APPROACHES TO LAW

The jurisprudence of Sarvodaya- Gandhiji, Vinoba Bhave; Jayaprakash Narayan- Surrender of dacoits; concept of grama nyayalayas.

Socialist thought on law and justice: An enquiry through constitutional debates on the right to property.

Indian Marxist critique of law and justice. Naxalite movement: causes and cure.

Unit V--

9. MODERNISATION AND THE LAW

Modernization as a value: Constitutional perspectives reflected in the fundamental duties.

Modernization of social institutions through law.

Reform of family law.

Agrarian reform- Industrialization of agriculture.

Industrial reform: Free enterprise Vs. State regulation Industrialization Vs. environmental protection.

Reform of court process.

Criminal law: Plea bargaining; compounding and payment of compensation to victims.

Civil law: (ADR) Confrontation Vs. consensus; mediation and conciliation.; Lok adalats.

Prison reforms.

Democratic e centralization and local self-government.

BOOKS RECOMMENDED

- | | |
|---|---|
| Marc Galanter | : Law and Society in Modern India (1997) Oxford |
| Robert Lingat | : The Classical Law Of India (1998) Oxford |
| U. Baxi | : The Crisis Of the Indian Legal System (1982), Vikas, New Delhi |
| U. Baxi | : Law and Poverty Critical Essay. (1988) Tripathi, Bombay |
| Manushi | : A Journal about Women and Society. |
| Duncan Derret | : The State , Religion and Law in India (1999) Oxford |
| H.M. Seervai | : Constitutional Law of India (1996) Tripathi |
| D.D. Basu | : Shorter Constitution Of India (1996) Prentice- Hall of India (P) ltd |
| Sunil Deshta and Kiran Deshta | : Law and Mernace of Child Labour (2000)
Armol Publications Delhi. |
| Savitri Gunasekhare | : Children, Law and Justice (1997) Sage |
| Indian Law Institute, Law and Social Change: Indo American Reflections. | Tripathi(1988) |
| J.B.Kripalani, Gandhi | : His life and Thought,(1970) Ministry of Information and
Brodcasting, Government of India |
| M.P.Jain, | : Outline of Legal History,(1993), Tripathi, Bombay. |
| Agens, Flavia, Law and Gender Inequality: The Position of Women's Rights in India | (1999), Oxford |

PAPER -- II (PAPER CODE 118)

ADMINISTRATIVE LAW (U.K U.S.A. FRANCE AND INDIA)

Unit-I

Growth and Development of Administrative law, Concept, Nature, Scope and Definitions of Administrative law, Sources of Administrative Law Rule of Law-Development in UK, USA, France and India, Meaning and present position of Rule of Law
Separation of Powers-Development, Meaning and present Position of Separation of Powers in UK, USA, France and India Droit Administratif

Unit-II

Classification of Functions-Tripartite Functions of Administration
Delegated Legislation- Meaning, Nature and purpose of Delegated Legislation, Forms and Type of Delegated Legislation, Factors leading to the growth of Delegated legislation, Constitutionality of Delegated Legislation in UK, USA, France and India, Limits of Delegated Legislation, Control over Delegated Legislation in UK, USA, France and India, Sub-delegation and Administrative Directions

Unit-III

Administrative Adjudication and Administrative Tribunals—Growth of Administrative Tribunals in UK, USA, France, and India, Working of Administrative Tribunals, Administrative Tribunals and Judicial Review
Natural Justice—Concept and Definition , Principles of Natural Justice, Application of Natural Justice in UK, USA, France and India, Exceptions of the Principles of Natural Justice, Effect of Failure of Natural Justice

Unit-IV

Judicial Control of Administrative Actions through Writs-Need for Judicial Control, Position of Judicial Control of Administrative Actions in UK, USA, France and India, Grounds of Judicial Review, Limits of Judicial Review, Exclusion of Judicial Review, Public Interest Litigation
Judicial Control of Administrative Actions(Remedies through ordinary Law) in UK, USA, France and India, Declaratory Action, Injunction and Action for Damages Judicial Review of Administrative Discretion

Unit-V

The Ombudsman- History, Development and Recent position in different Countries, The Lokpal Lokayukta, and Commissions of Inquiry.

Government Privileges and Immunities in Legal Proceedings, Doctrine of Estoppels and Waiver
 Liability of the State in UK, USA, France and India, Act of State, Public Corporations and Regulatory Bodies

Note---: Following Acts shall also be deemed to be included in the Units of this paper.

- (1) Federal Administrative Procedure Act, 1946
- (2) Federal Tort Claim Act, 1945
- (3) Freedom Of Information Act, 1966
- (4) Tribunals & Inquiries Act, 1992
- (5) The Crown Proceedings Act, 1947
- (6) Parliamentary Commissioners Act, 1967
- (7) Administrative Tribunal Act, 1985
- (8) The Lokpal & Lokayukta Bill, 2011

Books Recommended

- Rebson : Justice And administrative Law
- Griffith and Street: Principles of Administrative law.
- Wade W.R.H. : Administrative Law
- Schwartz B : American Administrative Law
- De Smith S.A. : Judicial Review And Administrative Action
- Allen C.K. : Law and order
- Basu : Comparative Administrative Law
- Prasad : Administrative Tribunal in Action
- Jain & Jain : Principles of Administrative Law
- I.L.I. : Cases and material on Administrative Law in India
- Nair : Parliamentary control of Administrative Action
- Flaukes : Introduction of administrative Law
- Schwartz : Legal control of Government Administration in Britain and the United States
- Wyner : Executive Ombudsman in U.S.A.
- Davis K.G. : Administrative Law Text
- Davis K.G. : Administrative Law Cases.


- Brown and Garner: French Administrative Law.
 Bowatt : Ombudsman
 Street : Justice in Welfare States.
 Ramchandra V. : Administrative Law.
 Fazal M.A. : Comparative Administrative Law of
 UK, USA, India and France
 Laffe : Administrative Law cases and
 Materials
 Markose A.T. : Judicial Control of Legislative action
 In India

 Sathe : Administrative Law in India.
 Jain : Administrative Law in India
 Indian Law Institute: Delegated Legislation in India.

PAPER – III (PAPER CODE 119)

DISSERTATION


Dissertation shall be compulsory for each student Topics of the dissertation shall be allotted by the Head of the Department. This paper contains 100 marks for script writing .


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PAPER – IV (PAPER CODE 120)**Viva-Voce**

Each student shall also appear for a Viva-Voce examination of 100 marks. This will be held before a Board of three examiners of whom two will be external and one internal. The absence of one external examiner may, however, be condoned by the Kulpati, if it is caused due to unavoidable circumstances, ordinarily, the head of Department of Law will be the Internal examiner.

**Group- II
CRIMES AND TORTS****PAPER – I (PAPER CODE 113)****CRIMINOLOGY****Unit-I**


School of Studies in Law
Pt. Ravishankar Shukla University
RAIPUR (C.G.) 492010

Definition of Criminology, Crime and Criminal Law, their theory and significance, Development of criminal law and criminology in India. Study of crime as behavior.

Unit-II

Schools of Criminology:- Pre-classical, Classical and Neo-classical and their theories Baccaria and Bentham, The Positive school and their contributors C. Lambroso, R Garafellow and E Ferricriews of other schools ie. cartographer sociological sociologist and clinical and multifactor's etc. and their contributors.

Unit-III

Types of Crimes and Criminals: Habitual, Sexual, Professional, Organized and white-collar. Terrorism Marginal and Victimless crimes, Modern and International crimes such as -cyber crime, Human organ crime, Hijacking, Feticide and Nuclear theft, crime against Women- Murder, Rape, Dowry-death, Torture, Kidnapping, abduction etc.

Unit-IV

Cause of Crimes:- Individual, Mental, Physical, Economical, Psychological and Religious, Sexual, Harmonial abreoviability as a cause of crime Social disorganization, movibility, Theory of Differentiate association. Anomie, Labeling, Gang delinquency, Effect mass media and role of state and politician as crime causation.


Unit-V

Juvenile Delinquency:- Its causes, Economic, Pressing, Gang culture, Differential association, Vagrancy, Truancy, Recidivism, Drug addiction, Tract went of Juvenile and their signification: Borshst system observation home Reformatories after care organization and Provision of the Juvenile Justice(care and protection of children) Act 2000.

Books Recommended

Sutherland & crassly
Taft & England
Reckless W.
Vole G.B.
Mannheim
Lolika Asrkar
Upendra Baxi
Pillai S.
Cycil Burt
Gilliam J.L.

- Criminology
- Criminology
- Criminology The Crime Problem
- Theoretical Criminology
- Compensation criminology
- Crime & Woman
- Law & Poverty
- Theory of Criminology
- Young Delinquents
- Criminology Penology


HEAD
School of Studies in Law
Dr. Ravishankar Shukla Univers
RAIPUR (C.G.) 492010

Gluck	- Delenquanti in working
A.Siddique	- Criminology Problem & Perspective
David Abhahanson	- Crime & Human Maid
Cove Land	- The Emitters of Criminology
Katherine S William	- Text Book of Criminology
Leon Radzeinoartz	- Ideology of Crime
W. Reckless	-The Prevention of Juvenile
Delinquency	
P.H.Kohen	- Juvenile Offenders & The Law
K.S.Shukla	- Adolescent Offenders
ILI (Delhi)	- Habitual Offenders & The Law
E.Sutherland	- White Collar Crime
M.Ponnanian	- Criminology and Penology

PAPER -- II (PAPER CODE 114)

PENOLOGY

Unit-I

Concept of Punishment: Its history and development Religious and Punishment: Types and Forms of Punish and as Ancient, medieval and Modern India. Its classification whether death penalty is necessary? Its merits and Demerits.

Unit-II

Theories of Punishments: Deterrence, Retributive, Expiation, Reprobation, Probation, Classical and utilitarian view on punishment: Punishment advantages and disadvantages: critical analysis in the righting in purpose scale and provision of criminal law and pardon, social necessity of law and order.

Unit-III

History of Penal system in development in India, Types of Prisons and Prisoners Basic principles for the treatment of prisoners National and International Rights of Prisoners under our Constitution and the Prisoners Act 1900.

Unit-IV

Probation and Parole: Its nature, origin and advantages, The Provision of Probation of offenders Act 1958, Comparison between Probation and parole. Its effects in Rehabilitation of Prisoners.

Unit-V

Power and jurisdiction of Police under Cr.p.c U/s 302, 55, 161, 36, 156, 160, 174, 102 and 166 Criminal Justice Process, Organize ahead structure of Jail and Police in India Provision relating to custodial death, torture etc.

Books Recommended

P.K.sen	- Penology old and New
Gillian JL	- Criminology and Penology
Bhattacharya	- Prisons
Flexvor & Baldwani	- Juvenile court and Probation
M.Ponnanian	- Criminology and Penology
J.C.Chaturvedi	- Penology & Criminal Procedure Code

The Books recommended for code No.113 are also relevant and useful.

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PAPER – III (PAPER CODE 115)

GENERAL PRINCIPLES OF CRIMINAL LAW AND IPC

Unit-I

Concept of Criminal liability: Its history, nature and scope in Ancient, medieval and modern context codification of criminal law in India and of Indian Penal Code of 1860,

Unit-II

Sections relating to General exception and punishment (sec 1-75 IPC) General explanation (sec 76-106 IPC) and Abatement (sec 107-120 IPC) Criminal conspiracy (sec 120A-120B IPC) Offences against the state and public tranquility sedition (sec 124A IPC) Unlawful assembly, Rioting and Affray (Sec 141, 146 & 159)

Unit-III

Giving false evidence, fabricating false evidence and other offences against public justice health safety and morals (Sec 191-229) provisions relating to public nuisance, obscenity (Sec 268-294) offences relating to body: Specially Culpable homicide, murder, Dowry death, Suicide, Miscarriage, Hurt, Grievous hurt, Wrongful restraint and Wrongful confinement, Force, criminal force, Assault, Kidnapping, Abduction (sec 299-374)

Unit-IV

Sexual offences (sec 375-377), Offences relating to property especially – Theft (sec 378), Extortion (sec 383), Robbery (sec 390), Dacoit (sec 391), Criminal misappropriation of property (sec 403-404), Criminal Breach of Trust (sec 405-409), stolen property (sec 410-414), Cheating, mischief and criminal trespass (sec 415, 425, 441), House breaking (sec 445), Offence relating to documents (sec 463-477A)

Unit-V

Offences relating to property marks and currency notes (479-489E) Offences relating to marriage (sec 493-498A), Defamation (sec 499-502), Criminal intimidation: Insult and Annoyance (sec 503-510) and attempt to commit offences (sec 511)

Books Recommended

P.K.sen	- Penology old and New
Gillian JL	- Criminology and Penology
Bhattacharya	- Prisons
Flexvor & Baldwani	- Juvenile court and Probation
M.Ponnanian	- Criminology and Penology
J.C.Chaturvedi	- Penology & Criminal Procedure

PAPER – IV (PAPER CODE 116)**LAW OF EVIDENCE****Unit-I**

Introduction and History of Evidence, Rule of Evidence in Hindu and Muslim Law, Changes in British period, Interpretation clause of Indian Evidence Act, May Presume, Shall Presume and conclusive proof.

Unit-II

Relevancy of facts in various circumstances (sec 4-16) Admission; its types and provisions relating to it, Provision relating to confession (sec 24-31) and statement by person who cannot be called on witness (sec 32-33) position of statement made under special circumstances and how such of a statement to be proved (sec 34-39) Relevancy of the judgment of the court and opinion of third person (sec 40- 44 & 45-51) and provision relating to character of person (sec 52-55)

Unit-III

Fact which had not be proved; oral and documentary evidence (sec 56- 78) Presumption as the document (sec 79-90) and relating to the exclusion of oral by documentary evidence (sec 91-100)

Unit-IV

Burden of proof relating to death, ownership, legitimacy, suicide and dowry death and their presumptions (Sec 101- 114A) Section relating to dumb and other types of witness (sec 118 – 134)

Unit-V

Sections relating to the examination of witness; Examination in chief, cross and Re –examination, Leading questions and other provision of chapter x and chapter xi (sec 135- 167) of Indian Evidence Act.

Books Recommended

P.K.sen	- Penology old and New
Gillian JL	- Criminology and Penology
Bhattacharya	- Prisons
Flexvor & Baldwani	- Juvenile court and Probation
M.Ponnanian	- Criminology and Penology
J.C.Chaturvedi	- Penology & Criminal Procedure Code

The Books recommended for code No.113 are also relevant and useful.


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FOURTH SEMESTER

PAPER – I (PAPER CODE 121)

LAW OF TORTS – GENERAL PRINCIPLES

Unit-I

Law of Torts: Its introduction definition and classification history and development its comparison crime, breach of contract and breach of trust Essential of tarts; Acts and omission and legal damages Damnum sine injury and injury sine damnum

Unit-II

Foundation of tortuous liability: Mental elements Fault as a basis of liability various torts- Test of proximity Directness and test of forcibility principles for awards of damages Position of contributory negligence and intervention of third party nouns acts intervenes.

Unit-III

General defense in action of torts- Private defenses necessity, invisible accident Act of God, Mistake statutory authority and consent. Remedies in action of torts- judicial and extra judicial remedies. Discharge of torts: waiver, accord and satisfaction Release of Acquiescence Re judicator and statute of limitation Assignment of right of action in torts and death of party and its effect on tortuous actions.

Unit-IV

Capacity to sue or be sued in tort: Position of unborn child, Minor Husband and wife, Lunatic, insolvent, convicts, judicial affair, alien enemy Trade union corporation Foreign save reign state and its executed authority, Liability of state for the tortuous liability acts and his servant and foreign tab joint and servant tort feaser. Liability for injury caused by animal (scanter rule)

Unit-V

General principle s for occupiers liability for dangerous land precuns principles relating to product liability (Donough v Stevenson Rule) Strict Liability: Ryland and flexure rule Doctrine of alternative damages.


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RAIPUR (C.G.) 492010

PAPER -II (PAPER CODE 122)
Specific Torts- Special Topics
Negligence and Vicarious Liability

Unit-I

Injurious to the person and wrongs relating to domestic relations and with reacting to every interracial night. Worship and dignity. International wrong doing- intimidation, conspiracy and utter rorerer to the hade or occupation by under fall areas.

Unit-II

Wrongs to movable poverty:- Trespass to goods concerning it kinds detention wrongs of immovable property. Trespass, its types remedies deference and dades; Injuries to reversion and waste, slender of goods Maintenance and champerty wrongs to incorporeal personal property.

Unit-III

Interference with contractual and business relation Malicious Proceedings: Malicious persecution Abuse of legal process. Misfeasance in public office Noisier.

Unit-IV

Negligence as a Torts- Its definition and nature Agential ingredients for actionable negligence requirement of duty in the case of negligence standard of duty to take care the breach of duty casual relation better them. Liability for the negligence of the occupiers of land and prentices to warless various person. Negligence of person processing greater skill and spieled rate of profession. Negbgcue by the keepers of diagram anural and dangerous good or chattel contributory Negligence Reach of statutory duty and prudent of proof in action of negligence.

Unit-V

Vicarious liability - liability for the wrongs cancelled by others. Liability by relation and liability by ratification Relationship between mascara and iernal nester and independent contracting and praieipal and augural. Baric of vicarious liability course of reemployment . Lily by for the act of driers Deviation and Detour, Doe rime of Corazon employment libeling of hospital authority for the negligent act of doctor and murex and other staff.

Books Recommended

Ramaswamy Iyar

- The Law of Torts

PAPER – III (PAPER CODE 123)**DISSERTATION**

Dissertation shall be compulsory for each student. Topics of the dissertation shall be allotted by the Head of the Department. This paper contains 100 marks for script writing.

PAPER – IV (PAPER CODE 124)**Viva-Voce**

Each student shall also appear for a Viva-Voce examination of 100 marks. This will be held before a Board of three examiners of whom two will be external and one internal. The absence of one external examiner may, however, be condoned by the Kulpati, if it is caused due to unavoidable circumstances, ordinarily, the head of Department of Law will be the Internal examiner.



SYLLABUS

2015-2016



PT. RAVISHANKAR SHUKLA UNIVERSITY
RAIPUR
CHHATTISGARH

Pt. RAVISHANKAR SHUKLA UNIVERSITY RAIPUR (C.G.)

COURSE WORK FOR Ph.D. IN LAW

2015-16 onwards

PAPER-1	Research Methodology & Computer Application			100
PAPER-2	Part I	Review of concerned Literature	50	100
	Part II	Synopsis framing	25	
	Part III	(a) Seminar	15	
		(b) Project Report	10	
Total (MARKS)				200

PAPER-1 (100 Marks)

Research Methodology and Computer Application (100 Marks)

UNIT-I

Meaning of Research, Need for Legal Research, Criteria for Good Research, Motivation and Approach, Methods for Legal Research- Doctrinal-Non-Doctrinal. Induction and Deduction, Empirical, Sampling and Questionary writing.

UNIT-II

Formulation of Research Problem, Hypothesis, Data Collection: – Methods, tools & Techniques, Data Processing and Analysis.

UNIT-III

Preparation of Research Design, Use of Historical and Comparative Research, Use of Observative Studies, Use of Interview and Case studies, Jurimetrics Analysis of Data

UNIT-IV

Computer Application in Legal Research, Statistical Tools, Statistical Software, Data entry and command for analysis.

UNIT-V

Thesis writing and its pattern.

Reference Books:-

1. Legal Research-William P. Statesky.
2. A Guide to Legal Research-Erwin Surrency.
3. An Introduction to Legal Arguments-By Edward Lewi.
4. Methodology & Techniques- Ts, Bodenkr & Mlinson
5. Methods in Social Research- By William J. Goode & Paul K. Hatt.
6. Development of Research Tools- N.C.Gautewan.
7. Legal Research Methodology- S.R. Myneni Allahabad Law Agency

8. Legal Research Methodology- H.N. Tiwari

PAPER-2 (100 Marks)

PART-I

Review of concerned literature (50 marks)

The candidate shall review minimum Twenty (20) research articles published in standard referred journals of the subject. After reviewing the research articles, the candidates shall submit a summary of his revision in articles with his opinion on the articles within two months from the beginning of the course.

PART-II

The candidate shall prepare a synopsis at the help of concerned literature on the topic in which he/she is writing to do research. The synopsis includes

- (I) Research Topic
- (II) Review of literature
- (III) Gapes in earlier studies
- (IV) Objectives
- (V) Hypothesis
- (VI) Methodology
- (VII) Plan of study

PART-III

(a) Seminar-(15 Marks)

The candidate presents a seminar on the basis of Part I before the faculty members.

(b) Project Report-(10 Marks)

The candidate shall submit a report on the basis of seminar

Evaluation procedure:-

The respective DRC will conduct the evaluation at the constitutional / departmental unit. 50% marks in necessary in each paper of pass this course work. Result of the candidates shall be declared by the university after adding the marks of both the papers.

SYLLABUS OF LAW
FOR
(CHOICE BASED CREDIT SYSTEM)

UNIT-I

- ✚ **General Introduction of legal system:** History of Indian Legal Institutions in ancient medieval and modern period. Law as a means of social control & welfare of the citizens. It's sources, definition & scope in Dharmashastras & other ancient Indian literature

UNIT-II

- ✚ **Jurisprudence & classification of law :** Definition of Laws, their kinds, theories of their origins & views of school & their thinkers such as analytical, historical, philosophical, social, Psychological and Realist School of Laws. What is Jurisprudence, its definition & scope of studies, possession, title ownership rights and other concepts relating to law. Their Universality in Judicial System

UNIT-III

- ✚ **Constitutional and Administrative Law:**
Indian Constitution- Its Preamble, Fundamental Rights, Directive Principles of State Policy, Principle of its interpretation. President & Governors, their appoint, powers & duties. Position and Powers of Legislature, Executive & Judiciary. Parliamentary privileges and distribution of powers amending process & emergency provisions.
Administrative Law- Principles of Natural Justice, Delegated Legislation & their Constitutionality, Judicial Review of Administrative Action, Ombudsman, Lokayukt & Lokpal

UNIT-IV


- ✚ **Law of Crimes & Law of Torts :**
Law of Crimes- General Principles of Criminal Liability, Classification of Offenses in Indian Penal Code, their Definition and Legislative Punishment, Abatement & Attempts. General Exceptions & Principles of Interpretation.
Law of Torts- Definition, Nature, General Defense. Various types of Torts and their Ingredients, Remedies of Torts, Liability without Fault, Vicarious Liability & Negligence.

UNIT-V

- ✚ **Law of Contract and Mercantile Law:** Nature and Formation of Contract, Conditions for Valid Contract, Void, Voidable, Illegal and Unenforceable Contract. Breach of

Contract, Quasi Contract, Indemnity, Guarantee, Bailment and Agency. Sales of Goods, Partnership and Negotiable Instrument Act 1881 Arbitration and Conciliation Act 1996.

UNIT-VI

 **International Law:** Nature & Definition, Relation between International and Municipal Law, Sovereignty, Recognition, Succession, Neutrality, Treaty, Law of Sea, Extradiction and Asylum. UNO and its Principal Organs, their Powers and Functions

List of Recommended Books

1. Kane's Dharmashastra -Bharat Bhavan, New Delhi/Pune.
2. Jurisprudence – RWM Dias (Indian Rept.) Aditya, New Delhi
3. Indian Constitution- V. N. Shukla (EBC), Lucknow.
4. Principles of Administrative Law- M.P.Jain & M.P.Jain (Tripathy), Bombay
5. Indian Penal Code- Ratanlal Dhirajlal, (Wadhwa) , Nagpur
6. Law of Torts- Ramaswami Aiyer, (Lexus Nexus), Mumbai.
7. The Indian Contract Act 1872
8. The negotiable Instrument Act
9. The Indian Partnership Act 1932
10. The Sales of Goods Act 1930
11. The Arbitration and Conciliation Act 1996.
12. International Law-S.K.Kapoor (EBC), Lucknow.
13. Jurisprudence & Legal Theory-V.P.Mahajan (EBC) Lucknow.
14. Constitutional Law of India- J.N.Pandey (CLA) Allahabad.
15. A Study of Indian Legal Theory, S.N. Dayani (Metro Publication) New Delhi

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ0ग0)
पुस्तकालय एवं सूचना विज्ञान में स्नातक

पृष्ठ	विषय	आंतरिक अंक	परीक्षा		कुल अंक
			अंक	अवधि	
1	पुस्तकालय संगठन एवं प्रबंधन	20	80	3 घंटा	100
2	पुस्तकालय प्रसूचीकरण एवं ग्रंथसूची	20	80	3 घंटा	100
3	संदर्भ स्रोत एवं सेवाएं	20	80	3 घंटा	100
4	प्रलेखन एवं सूचना सेवाएं	20	80	3 घंटा	100
5	पुस्तकालयों में कंप्यूटर अनुप्रयोग	20	80	3 घंटा	100
6	पुस्तकालय वर्गीकरण (सैद्धांतिक)	20	80	3 घंटा	100
7	पुस्तकालय वर्गीकरण (प्रायोगिक)	20	80	3 घंटा	100
8	पुस्तकालय प्रसूचीकरण (प्रायोगिक)	20	80	3 घंटा	100
	कुल पूर्णांक	160	640		800

प्रश्न पत्र – I पुस्तकालय संगठन एवं प्रबंधन
पूर्णांक : 100 (सैद्धांतिक : 80 आंतरिक मूल्यांकन : 20)

उत्तीर्ण प्राप्तांक 35%

इकाई - I

- पुस्तकालय संगठन : अर्थ, महत्व, सिद्धांत एवं प्रकार
- पुस्तकालय समिति : परिभाषा, प्रकार एवं कार्य
- विभिन्न पुस्तकालय प्रणालियां – मुख्य विशेषता एवं कार्य
- भारत, यूनाइटेड किंगडम एवं संयुक्त राज्य अमेरिका के राष्ट्रीय पुस्तकालय
- शैक्षणिक एवं सामाजिक संस्थान में पुस्तकालयों की भूमिका

इकाई - II

- रंगनाथन द्वारा प्रतिपादित पुस्तकालय विज्ञान के पाँच नियम एवं उसका प्रयोग
- भारत में पुस्तकालय विधान
- पुस्तकालय आंदोलन : भारत, यूनाइटेड किंगडम, संयुक्त राज्य अमेरिका एवं राष्ट्रीय ज्ञान आयोग
- पुस्तकालय संघ / ब्यावसायिक संगठन : उद्देश्य एवं कार्य
युनेस्को, इफला, ए०एल०ए०, आइसलिक, आई०एल०ए०

इकाई - III

- प्रबंधन : परिभाषा, तत्व, विशेषता एवं सिद्धांत
- प्रशासन बनाम संगठन
- पुस्तकालय नियम एवं विनियम
- वैज्ञानिक प्रबंधन
- कार्मिक प्रबंधन

इकाई - IV

- भौतिक वातावरण : पुस्तकालय भवन योजना, फर्नीचर, फिटिंग एवं उपकरण
- नियमित प्रक्रियाएँ : संप्राप्ति, परिचालन, पत्र – पत्रिका नियंत्रण, भण्डार सत्यापन बनाम परिसंशोधन
- पुस्तकालय जनसंपर्क एवं विस्तार सेवा

इकाई - V

- वित्तीय प्रबंधन
- बजट : अवधारणा, प्रकार एवं विधि
- संग्रह विकास : विभिन्न चयन स्रोत एवं महत्व
- पुस्तकालय अभिलेख का रख – रखाव एवं पुस्तकालय सांख्यिकी
- वार्षिक प्रतिवेदन
- संसाधन सहभागिता

प्रश्न पत्र – II पुस्तकालय प्रसूचीकरण ग्रंथ सूची
पूर्णांक : 100 (सैद्धांतिक : 80 आंतरिक मूल्यांकन : 20)

इकाई - I

उत्तीर्ण प्राप्तांक 35%

- पुस्तकालय प्रसूची : उद्देश्य एवं कार्य
- ग्रंथसूची, प्रसूची एवं प्रलेखन सूची में अंतर
- प्रसूचीकरण के उपसूत्र एवं आदर्शक सिद्धांत
- पुस्तकालय प्रसूची के भौतिक एवं आंतरिक स्वरूप
- चयनित एवं सरलीकृत प्रसूचीकरण
- वर्णनात्मक प्रसूचीकरण एवं अंतरराष्ट्रीय मानक ग्रंथीय विवरण

इकाई - II

- प्रविष्टि – प्रकार एवं कार्य
- व्यवस्थापन प्रविष्टि
- सहकारी एवं केन्द्रियकृत प्रसूचीकरण
- प्रकाशन गत प्रसूचीकरण एवं प्रकाशनांतर्गत प्रसूचीकरण
- वर्गीकृत प्रसूची संहिता एवं एगलों अमेरिकन केटालागिंग रूल्स 2 की तुलना
- प्रसूचीकरण विभाग का संगठन एवं प्रबंधन

इकाई - III

- विषय प्रसूचीकरण : अर्थ एवं उद्देश्य
- विषय शीर्षक : आवश्यकता एवं मूल सिद्धांत
- विषय शीर्षक : लाइब्रेरी ऑफ कांग्रेस सब्जेक्ट हेडिंग्स, सेयर्स लिस्ट ऑफ सब्जेक्ट हेडिंग्स
- शृंखला प्रक्रिया
- अंतरराष्ट्रीय मानक ग्रंथ संख्या एवं अंतरराष्ट्रीय मानक क्रमिक संख्या

इकाई - IV

- ग्रंथसूची : परिभाषा, उद्देश्य, आवश्यकता, कार्य एवं प्रकार
- विषयपरक ग्रंथसूची
- राष्ट्रीय ग्रंथसूची : आवश्यकता एवं विषय क्षेत्र
- भारतीय राष्ट्रीय ग्रंथसूची एवं ब्रिटिश राष्ट्रीय ग्रंथसूची
- व्यापारिक ग्रंथसूची
- सार्वभौमिक ग्रंथसूची

इकाई - V

- ग्रंथपरक नियंत्रक
- ग्रंथसूची एवं प्रलेखन गतिविधियाँ : संयुक्त राज्य अमेरिका एवं यूनाइटेड किंगडम
- ग्रंथपरक व्यवस्थापन एवं सेवाएँ : भारत

प्रज्ञ पत्र – III संदर्भ सत्रोत एव सेवाएँ
पूर्णांक : 100 (सैद्धांतिक : 80 आंतरिक मूल्यांकन : 20)

उत्तीर्ण प्राप्तांक 35%

इकाई - I

- संदर्भ सेवा – अवधारणा, परिभाषा एवं महत्व
- संदर्भ सेवा : सिद्धांत एवं दर्शन
- विभिन्न प्रकार के ग्रंथालयों में संदर्भ सेवा के प्रकार एवं प्रकृति
- अल्पकालीन एवं दीर्घकालीन संदर्भ सेवा
- नवीन पाठकों का अभिविन्यास
- उपयोक्ता शिक्षा

इकाई - II

- संदर्भ प्रश्नोत्तर के जाँच तकनीक एवं विधियाँ
- संदर्भ स्रोत : वर्गीकरण एवं मूल्यांकन
- संदर्भ विभाग : संगठन एवं प्रबंधन
- अप्रलेखीय सूचना स्रोत, अंकीय स्रोत

इकाई - III

- शब्दकोश : क्षेत्र, उद्देश्य, प्रकार, उपयोग एवं वैकल्पिक नाम
- परिभाषिक शब्दावली, समांतर कोष, कोष एवं शब्दानुक्रमणिका
शब्दकोषों का मूल्यांकन –
 1. रेंडम हाऊस डिक्शनरी ऑफ इंग्लिश लेंग्वेज
 2. वेबेस्टर थर्ड न्यू इंटरनेशनल डिक्शनरी ऑफ इंग्लिश लेंग्वेज
 3. ऑक्सफोर्ड इंग्लिश डिक्शनरी
 4. रोगेट'स इंटरनेशनल थिसायरस
- विश्वकोष : क्षेत्र, उद्देश्य प्रकार एवं महत्व
विश्वकोषों का मूल्यांकन –
 1. न्यू इनसाइक्लोपीडिया ब्रिटानिका
 2. इनसाइक्लोपीडिया अमेरिकाना
 3. इनसाइक्लोपीडिया ऑफ लाइब्रेरी एण्ड इन्फारमेशन साइंस
 4. इंटरनेशनल इनसाइक्लोपीडिया ऑफ सोशल साइंस
 5. मैग्रा – हिल इनसाइक्लोपीडिया ऑफ साइंस एण्ड टेक्नालॉजी
 6. वॉन – नास्ट्रैंड'स साइंटिफिक इनसाइक्लोपीडिया

इकाई - IV

- वार्षिकी एवं पंचांग : परिभाषा, क्षेत्र एवं उद्देश्य
वार्षिक एवं पंचांग का मूल्यांकन –
 1. यूरोपा ईयर बुक

2. स्टेटमेन'स ईयर बुक
3. इण्डिया : ए रिफरेंस एनुयल
4. वर्ल्ड एलमनक एण्ड बुक ऑफ फेक्ट्स
निर्देशिकाएं : परिभाषा, क्षेत्र एवं प्रकार
निर्देशिकाओं का मूल्यांकन –
1. वर्ल्ड ऑफ लरनिंग
2. स्टडी एबराड
3. टाईम्स ऑफ इण्डिया डायरेक्ट्री एण्ड ईयरबुक इनक्लूडिंग हूज हू
4. युनिवर्सिटी हेण्डबुक
5. अलरिच इंटरनेशनल पीरियाडिकल डायरेक्ट्री
- o सामयिक संदर्भ स्रोत : परिभाषा एवं क्षेत्र
सामयिक संदर्भ स्रोत मूल्यांकन –
1. एशियन रिकार्डर : ए विकली डायजेक्ट ऑफ एशियन इवेंट विथ इन्डेक्स
2. फैक्ट्स ऑन फाईल : विकली वर्ल्ड न्यूजस डायजेस्ट
3. किजिंग्स कंटेम्पररी आरकाईव्स

इकाई -V

- भौगोलिक स्रोत : क्षेत्र एवं श्रेणियाँ
भौगोलिक स्रोतों का मूल्यांकन –
1. कोलम्बिया लिपिनकॉट गजेटियर ऑफ द वर्ल्ड
 2. गजेटियर ऑफ इण्डिया
 3. फोडर'स इण्डिया
- जीवन चरित्र स्रोत : क्षेत्र, श्रेणियाँ एवं विशेषताएं
जीवन चरित्र स्रोतों का मूल्यांकन –
1. डिक्शनरी ऑफ अमेरिकन बायोग्राफी
 2. डिक्शनरी ऑफ नेशनल साईटिफिक बायोग्राफी
 3. डिक्शनरी ऑफ बायोग्राफी
 4. इण्डिया हूज हु

संदर्भ प्रश्न : सूचना स्रोत ग्रंथपरक विवरण सहित

प्रश्न पत्र – IV प्रलेखन एवं सूचना सेवाएं
पूर्णांक : 100 (सैद्धांतिक : 80 आंतरिक मूल्यांकन : 20)

उत्तीर्ण प्राप्तांक 35%

इकाई - I

- प्रलेखन : परिभाषा, उद्देश्य, क्षेत्र एवं विकास
- प्रलेखन कार्य एवं क्षेत्र
- प्रलेखन सेवाएं एवं क्षेत्र
- प्रलेखन सूची : प्रकार एवं निर्माण
- प्रतिलिपिकरण एवं अनुवाद सेवा

इकाई - II

- विज्ञान : परिभाषा, उद्देश्य एवं क्षेत्र
- सूचना सेवा की बदलती अवधारणा
- सूचना उपयोक्ता : आवश्यकता एवं सूचना खोज व्यवहार
- सूचना आवश्यकताओं की प्रकृति
- सूचना सेवाएं : सामयिक अभिग्यता सेवा, चयनित सूचना प्रसारण

इकाई - III

- सारकरण : परिभाषा, उद्देश्य, क्षेत्र एवं प्रकार
- सारकरण के उपसूत्र
- सार : विशेषता एवं गुण
- सारकरण : चरण एवं पद्धति
- मूल्यांकन : केमिकल एब्सट्रेक्ट, बायोलॉजिकल एब्सट्रेक्ट, फिजिकल एब्सट्रेक्ट, मेथेमेटिकल रिब्यूस, साइक्लोलॉजिकल एब्सट्रेक्ट, सोसियोलॉजिकल एब्सट्रेक्ट, लाइब्रेरी एण्ड इन्फार्मेशन साइंस एब्सट्रेक्ट, इंडियन साइंस एब्सट्रेक्ट एवं इंडियन लाइब्रेरी साइंस एब्सट्रेक्ट,

इकाई - IV

- अनुक्रमणीकरण : परिभाषा एवं कार्य
- पूर्व समन्वयी अनुक्रमणीकरण पद्धति : शृंखला अनुक्रमणीकरण, संरक्षित प्रसंग अनुक्रमणीकरण पद्धति, अभ्युपगम आधारित क्रम परिवर्तित विषय अनुक्रमणीकरण
- पश्च समन्वयी अनुक्रमणीकरण पद्धति : एकल पदीय प्रणाली, पिक आबु प्रणाली, एड्जनोड्ज छिद्रित : पत्रक प्रणाली
- उद्धरण अनुक्रमणीकरण
- की वर्ड अनुक्रमणीकरण एवं प्रकार

इकाई -V

- प्रलेखन केन्द्र एवं प्रणालियाँ : एफ.आई.डी., विनिती, निस्केयर, डेसीडॉक, नासडॉक, युनीसिस्ट एवं निसात

प्रश्न पत्र – V पुस्तकालयों में कंप्यूटर अनुप्रयोग
पूर्णांक : 100 (सैद्धांतिक : 80 आंतरिक मूल्यांकन : 20)

उत्तीर्ण प्राप्तांक 35%

इकाई - I कंप्यूटर परिचय

- कंप्यूटर : परिभाषा, विकास एवं पीढ़ी
- कंप्यूटर : प्रकार एवं उपयोगिता
- कंप्यूटर : मूलभूत अंग एवं सहायक उपकरण
- इलेक्ट्रॉनिक डाटा प्रोसेसिंग

इकाई - II हार्डवेयर एवं साफ्टवेयर तत्व

- कम्प्यूटर हार्डवेयर : तत्व एवं कार्य
- कम्प्यूटर साफ्टवेयर : प्रकार एवं उपयोगिता
- प्रचालन पद्धति : कार्य एवं निर्देश : डाँस, विंडोज एवं यूनिक्स/लेनेक्स
- एलगोरिदम
- फ्लो चार्ट

इकाई - III साफ्टवेयर पैकेज

- पुस्तकालय साफ्टवेयर : मूलभूत विशेषताएँ
- शब्द प्रक्रमण पैकेज
- डेस्कटॉप पब्लिशिंग
- पुस्तकालय साफ्टवेयर : सी.डी.एस./आई.एस.आई.एस, सोल एवं कोहा

इकाई - IV पुस्तकालय स्वचालन

- पुस्तकालय गृह प्रबंध कार्य
- कंप्यूटरीकृत सूचना सेवा
- पुस्तकालय गतिविधियों में इन्टरनेट
- ई – शोध पत्रिका, इलेक्ट्रॉनिक पुस्तक एवं अन्य

इकाई - V नेटवर्किंग

- परिभाषा, आवश्यकता, ग्राहक परिसेवक संरचना
- नेटवर्क प्रकार : स्थानीय क्षेत्र नेटवर्क, वृहत क्षेत्र नेटवर्क, महानगरीय क्षेत्र नेटवर्क
- नेटवर्क सांस्थिति : बस, स्टार, रिंग इत्यादि
- पुस्तकालय सूचना नेटवर्क : डेलनेट, इनपिलबनेट, कैलिबनेट, ई – शोधसिंधु

प्रश्न पत्र – VI पुस्तकालय वर्गीकरण (सैद्धांतिक)
पूर्णांक : 100 (सैद्धांतिक : 80 आंतरिक मूल्यांकन : 20)

उत्तीर्ण प्राप्तांक 35%

इकाई - I

- पुस्तकालय वर्गीकरण : परिभाषा उद्देश्य एवं कार्य
- वर्गीकरण पद्धति की प्रजातियाँ : परिगणात्मक एवं पक्षात्मक : विशेषता, गुण एवं दोष
- मूल विषय एवं प्रकार
- द्विबिन्दु वर्गीकरण एवं दशमलव वर्गीकरण : तुलनात्मक अध्ययन

इकाई - II

- ज्ञान वर्गीकरण एवं उपसूत्र
- ग्राह्यता : पंक्ति एवं शृंखला
- पक्ष विश्लेषण
- मूलभूत श्रेणियाँ एवं अभिधारणा
- पक्ष अनुक्रम सिद्धांत

इकाई - III

- एकल : सामान्य एवं विशिष्ट एकल
- वर्गीकरण युक्ति : कालानुक्रम, भौगोलिक, विषय, आनुवार्णिक,
- परिगणना, अध्यारोपित एवं दशा युक्तियाँ
- प्रणाली एवं विशिष्ट वर्ग

इकाई - IV

- अंकन : परिभाषा, आवश्यकता एवं कार्य
- अंकन : प्रकार संरचना एवं गुण
- स्मृति सहायक : प्रकार एवं उपसूत्र
- संकेतक अंक

इकाई - V

- पुस्तक वर्गीकरण : अर्थ एवं उद्देश्य
- पुस्तक वर्गीकरण : उपसूत्र
- ग्रंथांक
- ज्ञान वर्गीकरण बनाम पुस्तक वर्गीकरण
- पुस्तक वर्गीकरण नियम
- क्रियात्मक वर्गीकरण चरण

प्रश्न पत्र – VII पुस्तकालय वर्गीकरण (प्रायोगिक)
पूर्णांक : 100 (प्रायोगिक : 80 आंतरिक मूल्यांकन : 20)

उत्तीर्ण प्राप्तांक 35%

आख्याओं का वर्गीकरण : द्विबिन्दु वर्गीकरण (छठवां पुर्नमुद्रित संस्करण) एवं ड्युई दशमलव वर्गीकरण
(नवीनतम संस्करण)

प्रश्न पत्र – VIII पुस्तकालय प्रसूचीकरण (प्रायोगिक)
पूर्णांक : 100 (प्रायोगिक : 80 आंतरिक मूल्यांकन : 20)

उत्तीर्ण प्राप्तांक 35%

आख्याओं का प्रसूचीकरण : एंग्लो अमेरिकन केटालॉगिंग रूल्स – II

PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR
Master of Library and Information Science
Scheme of Exam: 2018 – 19

FIRST SEMESTER

Total Credits - 20

Paper	Subject	Internal Marks	External Marks	Credits
MLI	FOUNDATION OF INFORMATION SCIENCE	20	80	4
MLII	KNOWLEDGE ORGANISATION & INFORMATION PROCESSING	20	80	4
MLIII	RESEARCH METHODS & STATISTICAL TECHNIQUES	20	80	4
MLIV	MANAGEMENT OF LIBRARY & INFORMATION CENTRES/INSTITUTION	20	80	4
MLV	INFORMATION PROCESSING AND RETRIEVAL (PRACTICE-I)	20	80	4
Total		100	400	20

SECOND SEMESTER

Total Credits - 20

Paper	Subject	Internal Marks	External Marks	Credits
ML VI	INFORMATION RETRIEVAL	20	80	4
ML VII	INFORMATION SOURCES, PRODUCTS AND SERVICES	20	80	4
ML VIII	INFORMATION TECHNOLOGY : BASICS & APPLICATIONS	20	80	4
ML IX_A	MANAGEMENT INFORMATION SYSTEMS.	20	80	4
ML X	INFORMATION PROCESSING & RETRIEVAL (PRACTICE – II)	20	80	4
Total		100	400	20
Total Marks of Semester I & II		200	800	40

Mema

UNIT-1 Information Science-

- Definition, Scope, Objectives, Genesis and development.
- Information Science as a discipline and its relationship with other subject fields.
- Information industry- Generators, Providers and intermediaries.

UNIT-2 Information and communication-

- Information: Characteristics, Nature and use of information.
- Conceptual difference between data,
- Information and Knowledge.
- Communication of Information.
- Information generation and diffusion.
- Communication channels and barriers.

UNIT-3 Information and the state-

- Policies relating to information including science and technology and education.
- International and national programs and policies (NAPLIC)
- IT and library.
- UAP, UBC
- Laws relating to information with special reference to India. Including press and registration act. Delivery of books (public Libraries) Act, Copyright Act.

UNIT-4 Information user & their needs-

- Categories of information users.
- Information needs: definition and models.
- Information seeking behavior.
- Methods and techniques of user studies.
- Evaluation of user studies.

Unit-5 Information products-

- Information products: Nature, concept, types, design and development and marketing.
- Economics of information.
- Information management.
- Knowledge management.

Menna

UNIT-1 Universe of Knowledge-

- Structure and attributes.
- Modes of formation of subjects,
- Different types of subjects and their modes of formation
- Universe of Knowledge as mapped in different schemes of classification.

UNIT-2 Methods of knowledge organization-

- Canons and normative principles of sayers and Ranganathan of classification.
- Species of Library Classification schemes.
- Standard schemes of library classification; Introduction, features and application-CC, DDC, & UDC.

UNIT-3

- Universal and special schemes of classification.
- Abstract classification.
- Choice of schemes of classification.
- Study of categories postulated by different classificationists for grouping ideas.
- Postulates & Principles for facet sequence.
- Telescoping of facets.

UNIT-4 Notation-

- Notation: Types, Structure & qualities, canons of notation.
- Mnemonics- Types and canons
- Indicator digits.
- Zone analysis and sector notation.
- Canons for book classification.
- Systems of book number.

UNIT-5 Recent Trends & Developments-

- Design and development of a Scheme of library classification.
- Role of DRTC, CRG and FID.
- Contribution of International Conferences towards classification research.
- BSO: Salient features.

Agema

PAPER-III RESEARCH METHODS & STATISTICAL TECHNIQUES

M.M. 80 Pass Marks 36%

UNIT-1 Research-

- Research: Concept, Meaning, need and process of research.
- Types of Research- Fundamental and Applied.
- Research Design- Types of research design, Identification and formulation of problem, Hypotheses.

UNIT-2 Research methods-

- Research Methods- Scientific, Historical, Descriptive, Survey and case study methods, Experimental method and Delphi Method.
- Research techniques & Tools- Questionnaire, Schedule interview, Observation and sampling techniques.

UNIT-3 Data analysis and Interpretation-

- Descriptive Statistics- Measures of central tendencies- Mean, Median, Mode.
- Tabulation and generalization.
- Standard Deviation and Correlation.
- Testing of hypotheses.

UNIT-4 Bibliometrics, Informatics & Scientometrics-

- Bibliometrics, Informatics & Scientometrics: Concept definition and their scope
- Bibliometrics laws- Bradford, Zipf, Lotka.
- Content analysis,
- Sociometry.
- Citation studies- Citation-nature and definition, Citation-theory and analysis.
- Offset weight age formula of Sengupta.

UNIT-5 Research reporting- Designing research proposal-

- Structure, Style, Contents & Guidelines for Research reporting.
- Standards for citing bibliographical references (Like Chicago manual, MLA & Indian standards)
- Current trends in library and information science research.

Mema

PAPER-IV MANAGEMENT OF LIBRARY & INFORMATION CENTRES/INSTITUTION

M.M. 80 Pass Marks 36%

UNIT-1 Management

- Management styles and approaches.
- Management schools of thought.
- Functions and Principles of Scientific Management.
- Human Resource Management- Organization structure, Job analysis and description; Job evaluation, Motivation.

UNIT-2 Financial Management-

- Resource mobilization.
- Budgeting technique & methods: PPBS. Zero based budgeting etc. Budgetary control.
- Cost effectiveness and cost benefit analysis.
- Total Quality Management (TQM)- Definition, Concept & elements of TQM and quality audit.

UNIT-3 System Analysis and Design-

- System- definition, Concept and characteristics.
- Library as a system.
- Project management,
- PERT/CPM.
- Decision tables.
- DFD (Data Flow Diagram).
- Work study: Flow chart, Gantt chart, Block diagrams.

UNIT-4 Planning-

- Concept, Definition, Need, Purpose, Types, Policies and Procedures.
- MBO, MBE
- Strategic management- Definition objectives. Policies process & models of strategic management.
- SWOT analysis.

UNIT-5 Managing Change

- Concept of change: changes in procedures, method.
- Use of new tools and techniques;
- Techniques of managing change.
- Collection development and management- Policies and procedures.
- Time and motion study.

PAPER-V INFORMATION PROCESSING AND RETRIEVAL (PRACTICE-1)

M.M. 80 Pass Marks 36%

- Classification of titles/documents by Colon Classification (6th Rev. Ed.) and UDC (Medium Edition).

Memor

PAPER-VI
INFORMATION RETRIVAL

M.M. 80
Pass Marks 36%

UNIT-I Subject analysis and representation-

- Problems of subject analysis and representation.
- Contributions of cutter, Ranganathan, Farradane and Coates.
- Principles of subject cataloguing- Assigning subject-Headings using library of Congress subject headings and sears list of subject heading etc.

UNIT-II Indexing language and vocabulary control-

- Indexing languages- Types and characteristics.
- Vocabulary control- Tools of vocabulary control.
- Thesaurus- Structure and construction of an IR Thesaurus. Thesaurofacet.
- Trends in automatic indexing.
- Recall and Precision devices in indexing languages.

UNIT-III Indexing systems-

- Pre coordinate and post coordinate indexing system.
- Outline study of the following indexing systems.
- KWIC, KOWC.
- Chain Indexing, PRECIS, POPSI.
- Uniterm indexing, Citation indexing.
- Standards for Bibliographical Description: AACR-2, ISBD, MARC(Format), CCF

UNIT -IV Information Retrieval Systems-

- Definition, Types, Components and operational stages of IRS.
- Information Retrieval- Data Base, Information base and SQL, IR Models.
- Search Process- Principles & methods of searching.
- Search Techniques- Boolean searches On-line searching techniques and retrieval.

UNIT-V Information retrieval systems evaluation.

- Projects and parameters.
- Important test results- Cranfield, Medlars, Smart.
- Information retrieval through optical media and CD-ROM data base.
- IR through OPAC and Internet.

Mema

PAPER-VII
INFORMATION SOURCES, PRODUCTS AND SERVICES.

M.M. 80
Pass Marks 36%

UNIT-I Information sources-

- Documentary sources of information.
- Print, Non-print including Electronic Nature.
- Characteristics, Utility and evaluation of different types of information sources.
- Non Documentary Information sources; Human and institutional – Nature, Types, Characteristics and utility.
- Internet as a source of information.

UNIT-II Information services-

- Information services- Concepts, Definition need and trends.
- Techniques and evaluation of alerting services (CAS & SDI).
- Bibliographic, Referral.
- Document delivery and translation services.

UNIT-III Information Products-

- Information products- Nature, Concept, Types, Design and marketing Abstracting.
- Types and guidelines in preparing abstracts.
- Study and evaluation of important abstract periodicals information analysis, Repackaging and consolidation.

UNIT- IV User Educations-

- Goals and objectives, Levels, Technique and methods.
- Reference interview and search techniques.
- Resource sharing and library networking.
- Study of Indonet, Infflibnet, Calibnet, Nicnet, Delnet, Adinet, Malibnet.

UNIT-V

- International information system and network.
- AGRIS, BIOSIS, CAS, DEVSIS, ICSU, INIS, INSPEC, MEDLARS.

Ngema

PAPER-VIII
INFORMATION TECHNOLOGY: BASICS & APPLICATIONS

M.M. 80
Pass Marks 36%

UNIT-II Information Technology-

- Definition, need, scope and objectives.
- Historical background of computers.
- Generation of computers.
- Architecture CPU, Input/output devices .
- Hardware and software.
- Operating system-Ms-windows, UNIX, MS-DOS.

UNIT-II Networking-

- Types of networks-LAN, WAN, MAN.
- Local Area Networks; LAN Topologies, Network Hardware- Network interface card, hubs/switches.
- Gateways/Bridges, routes, modem.
- Network Protocols- TCP/IP, Net-BUI, IPX.

UNIT-III Internet-Basic features and tools-

- Connectivity- Dialup, Leased lines, Microwave, ISDN.
- Digital Subscriber Lines (DSL).
- E-mail-Protocols- Telnet, FTP, DTP. Web browsers, Web servers, Search Engines, Keta Search.
- Web design- SGML, HTML, DHTML and XML.

UNIT-IV Data Base Management System-

- Models- Hierarchical, Network, Relational and object oriented.
- Software- CDS/ISIS, SOUL.
- Structure Query Language. Artificial Intelligence.
- Digital libraries- definition, characteristics & attributes.
- Storage media formats- DVD.

UNIT-V Library Automation-

- Planning and implementation of library automation.
- Automation of in- house operations- Acquisitions, Cataloguing, Circulation, OPAC Bar-coding.

PAPER- IX

ELECTIVES; INFORMATION SYSTEMS (Any one o the following)

- IX-A Management Information Systems.
- IX-B Business Information Systems.
- IX-C Biotechnology Information Systems.
- IX-D Health science Information Systems.
- IX-E Agricultural Information Systems.
- IX-F Social Science Information Systems. (Note- In the initial stage only one information system, i.e. "IX-A; Management information Systems" is being implemented.)

Agema

Paper – IX
ELECTIVES ; Information Systems (Any one of the following)
PAPER- IX-A
MANAGEMENT INFORMATION SYSTEMS.
FM 100(Theory 80 + Internal Assessment 20)

Pass Marks 36%

UNIT-I

- Definition, concepts, elements and objectives of M.I.S.
- Information and management effectiveness.
- Information needs and management levels.
- Features of MIS system approach to MIS.
- Properties of MIS.

UNIT-II

- Structure of MIS.
- MIS and decision making.
- Planning for MIS-Systems analysis: Systems design.
- Techniques of system analysis; Techniques for MIS planning.

UNIT-III Information Support System-

- Management reporting systems (MRS);
- Decision Support Systems (DSS);
- Office Automation Systems (OAS);
- Knowledge Based Systems.

UNIT IV Functional Informational Systems-

- Financial Information Systems; Marketing IS; & Human resource IS.
- Implementation, Evaluation & Maintenance of MIS.

UNIT V

- Role of Computer in MIS.
- Data Base Management.
- Data Base Software-Software needs selection and development.
- Data communication and networking.
- Using Information superhighways- Internet and Intranet.

Menna

PAPER- IX-B

Academic Library and Information System FM 100(Theory 80 + Internal Assessment 20)

Pass Marks 36%

Unit – 1 Academic Library

- History and Development of Libraries with special reference to India
- Role of Academic Library in Education
- Academic Library as a support System for Education

Unit – 2 Development of Academic Library

- Role of UGC in Promoting Academic Libraries, University College and other Institutions
- Role of library authorities of the Institutions in Promoting Library Resources
- Development of Library Services
- Financial Management of Academic Libraries

Unit – 3 Collection Developments

- Collection Development Policy, Weeding policy
- Problems in Collection Organization in an Academic Library
- Collection Development Programmes, Allocation of Funds to Collection Procurement.
- Curriculum and Collection Development
- Library Committees and their Role in Collection Development

Unit – 4 Staffing and Staff Development for Academic Library

- Norms and Patterns for Staffing in University, College and School Libraries
- Continuing Education Programmes for Academic Library Development
- Personal Management in Academic Library

Unit – 5 Resource Sharing Programmes

- Resource Sharing Services – its Objectives, Organization and Development
- INFLIBNET and its Implications to Library Resource Sharing
- Regional and City Network of Libraries and their Importance

Memo

PAPER- IX-C

Archival, Museum and Archaeological Information System FM 100 (Theory 80 + Internal Assessment 20)

Pass Marks 36%

Unit - 1 History and Development

- History and Development and types of Archival Centers
- Kind and identification of Archival material

Unit-2 Organisation and Management of Archival and Manuscripts

- Acquisition, Classification, Cataloguing and Indexing of Archival material
- Source material on Archival , Manuscripts
- Machine Readable and Microfilm of Archival records
- Database and Digitization of Archives
- Role of UNESCO and other agencies

Unit-3 Environment Control

- Building Design
- Planning and furniture and Fillings
- Use of Copy Right to information in relation to archives

Unit - 4 Preservation of Archives

- Objective and Purpose
- Cause of Deterioration
- Environmental Pollution : Physical , Chemical and Atmospheric
- Biological enemies of materials : Mould , Fungi , Insect and Rodents

Unit – 5 Rehabilitation of Documents

- Cleaning, removal of Stains
- Fuming and deacidification
- Repair and restoration techniques
- Lamination
- Standards for Storage Conditions

Neema

PAPER- IX-D

Agricultural Information System FM 100 (Theory 80 + Internal Assessment 20)

Pass Marks 36%

Unit - 1 Agriculture Education and Agriculture Libraries

- Growth and development of Agriculture education and research in India
- Role of Library in Agricultural education, research and Extension
- Development of Agriculture Library in India

Unit – 2 Information Source and Services in Agriculture

- Specialized Collection and Information Sources
- Information Service and products in Agricultural Science and Technology with
- Special reference to India
- Agriculture Information Centers - National and International

Unit-3 Organization and Management of Resources

- General Principle of Information Management
- Information Organization , Processing and Dissemination
- Developing need based and on Demand Specialized Services

Unit – 4 Information Needs

- Identifying special need of Agricultural faculty & research Staff
- User Studies of Local Agriculture Libraries

Unit - 5 Agriculture Information System and Networks

- Current Trends in agricultural System and Networks
- Resource Sharing and Networking in Agricultural Libraries in India
- International Agricultural Database
- Professional Associations.

Ngema

PAPER- IX-E
Legal Information System
FM 100 (Theory 80 + Internal Assessment 20)

Pass Marks 36%

Unit- 1 Law Librarianship

- Growth and Development of legal Institutional in India
- Nature Principle and Characteristics of legal Information and Law Libraries
- Type of Law Library

Unit – 2 Information Source Collections

- Special Information Sources : Bills , Acts , Books , Serials , Law Court notice ,
- Law case amendments
- Tribunal Report, Law Digests , Legal Judgment, Delegation Legislation
- Rules and orders , Legal information Sources and Lexicons

Unit - 3 Organizations and Management of Resources

- Information Processing : Classification, Cataloguing and Indexing
- Developing special skills and Techniques to handle legal information (personnel)
- Managing finance : Funds & Fund Generation

Unit – 4 Information need and services

- Special needs of lawyers and legal Professionals
- Study of Law Information Centers (Local)
- Special Services, Planning and design
- Preparation of rapports on Law Libraries (Local)
- Dissemination methods and techniques

Unit - 5 Legal Information System & Networks

- Legal information System :National and International
- Structure and their services
- Legal Database and Digital Libraries
- Resource and Networks of Legal Information

Mema

PAPER- IX-F

**Industrial Information System
FM 100 (Theory 80 + Internal Assessment 20)**

Pass Marks 36%

Unit - 1 Growth and Development of Industries & Industrialization Libraries

- Industrial Growth in India
- Type of Industries: Government and Non-Government.
- Role of Libraries and Information Center in Industries
- Categories of Industrial Libraries

Unit – 2 Industrial Information Resource Collections

- Tread Literature
- Patents
- Standards
- Technical Reports Bulletins

Unit – 3 Organizations and Management of Industrial Information

- Special Classification Scheme and Indexing System
- Planning and Designing Specialized information services and Products
- System approach to Planning and Design and Implementation
- Managing personal Skills and Finance

Unit – 4 Information needs and Services of Industrial Libraries

- Special Classification Schemes and Indexing System
- Case Studies and field Experience of local Industries
- Preparation of Report of an Industrial Library Survey (Local)
- Marketing of Information
- Computerized Information Service

Unit – 5 Industrial Information System and Network

- Industrial Information Centers and Networks National and International
- (SENDOC)
- Structure and their services
- Industrial Databases
- Resource Sharing and Networking of Industrial Information Centers in India

PAPER – X

INFORMATION PROCESSING & RETRIVAL (PRACTICE- II)

M.M. 80

Pass Marks 36%

(AACR-2)

Cataloguing of Publications by AACR-2

Nglenma

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1

CBCS

Library & Information Services

Total Credits - 3

Unit – I

- Library Classification : Its aims and function
- Standard Schemes of Library Classification.
- System of Book Number.

Unit – II

- Information: Concept, Meaning & Definition.
- Information Transfer Cycle: Generation, Collection, Storage and Dissemination.
- Intellectual Property Rights, Copyright Act & Introduction to Plagiarism-Basic and detection.

Unit – III

National and International Information Systems:

- NASSDOC, INFLIBNET, NESCAR, DESIDOC,
- National & International Funding Agencies : ICSSR, CSIR, DRDO, UGC, World Bank, DAE, INSA

Recommend Books:

1. प्रलेखन एवं सूचना सेवाएं तथा नेटवर्क : खण्ड1 प्रलेख एवं सूचना सेवाएं खण्ड2 सूचना प्रणालियां एवं नेटवर्क/एस. एम. त्रिपाठी
2. प्रलेखन एवं सूचना विज्ञान/ जे. एल. उपाध्याय
3. Documentation and Information Science/ S.P. Sood
4. Information and its Communication /R.G. Prasher
5. Elements of Library Classification/ Dr. S.R.Ranganathan

Adema
HEAD
BOS IN LIBRARY &
INFORMATION SCIENCE
PT. RAVISHANKAR SHUKLA
UNIVERSITY, RAIPUR (C.G.)

2
CBCS

Library & Information Sources

Total Credits - 3

Unit – I

- Sources of Information: Primary, Secondary and Tertiary – Documentary and Non – documentary.
- Evaluation of Reference Sources: Encyclopedias – Encyclopedia Britannica, Encyclopedia Americana, International Encyclopedia of Science and Technology, International Encyclopedia of Social Science and Technology.

Unit – II

- Bibliometrics, Informetrics & Scientometrics: Concept definition and their scope
- Citation-Concept nature and definition.
- Standards for citing bibliographical references - Chicago manual, MLA & Harvard.

Unit – III

- Reference Sources : Year Books and Almanacs – Scope & purpose
- Evaluation of Europa Year Book, Statesman's Year Book, India : a reference Annual.

Recommend Books:

1. Fundamentals of Documentation : with special reference to India / P.S. Kawatra
2. Documentation : Genesis and Development / S.R. Ranganathan
3. संदर्भ एवं सूचना सेवा के नवीन आयाम / एस. एम. त्रिपाठी
4. पुस्तकालय और समाज (Library and Society) / देवीदत्त चतुर्वेदी
5. Documentation and Information Services, Systems and Techniques/ J.K. Khanna

Meena
HEAD
603 IN LIBRARY &
INFORMATION SCIENCE
PT. RAVISHANKAR SHUKLA
UNIVERSITY, RAIPUR (C.G.)

SCHOOL OF STUDIES IN LIBRARY AND INFORMATION SCIENCE
PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR (C.G.)

Ph.D. – Course Work in Library & Information Science

Duration: One Semester (Six Months)

S.N.	Title and Paper	F.M.	Pass Marks	Theory
1	Paper – I: Research Methodology	100	60	100
2	Paper – II: ICT and Computer Literacy	100	60	100
3	Paper – III: Seminar	100	60	100
Total		300	180	300

Paper – I

Research Methodology

- **Research:** Characteristics, Types & Steps in research, Identification, Selection and formulation of research problems, Research questions, Review of Literature.
- **Hypothesis:** Definition and Types, Formulation & Testing. Standard Error & Point and Interval estimates.
- **Sampling theory:** Types of Sampling, Steps in Sampling. Methods of Data Collection.
- **Statistical Methods:** basic concepts & its implication in research, Measures of Central Tendency. Dispersion, Skewness and Kurtosis in Research.
- **Writing Proposal & Report:** Introduction of Synopsis & summary writing. Information Presentation, Presentation of Bibliography and citation. Editing the Final Draft, Evaluating the Final Draft.

Paper – II

ICT and Computer Literacy

- **Computer:**Introduction, Computer Architecture and Storage Devices
- **Operating Systems:**Basic introduction to windows& Linux.
- **Internet:**Basics of Internet; Search engine and Meta search engines, Internet search techniques, Internet Security.
- **Electronic Resources:**Web resources, online databases, electronic journals, e-books& on- line indexing and abstracting services, Services Offered by Library Networks.
- **Word Processor Software:**MS Word, MS EXCEL, MS Power Point
- **Statistical Tools:** Statistical software available for analysis and graphical representation: SPSS, etc.

Pt. Ravishankar Shukla University, Raipur				
M. Sc. Bioscience				
Scheme and Syllabi of Examination for SESSION 2020-2022				
July 2020 – December 2020				
	First Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal*)	
I	Cell Biology	80	20	4
II	Biomolecules	80	20	4
III	Microbiology	80	20	4
IV	Biology of Immune System	80	20	4
LC-I	Lab Course I (Based on Theory papers I & II)	80	20	2
LC-II	Lab Course II (Based on Theory papers III & IV)	80	20	2
	Total	600		20
January 2021– June 2021				
	Second Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)	
I	Genetics and Molecular Biology	80	20	4
II	Bioenergetics & Metabolism	80	20	4
III	Instrumentation and Techniques	80	20	4
IV	Biometry, Computer and Scientometry	80	20	4
LC-I	Lab Course I (Based on Theory papers I & II)	80	20	2
LC-II	Lab Course II (Based on Theory papers III & IV)	80	20	2
	Total	600		20
July 2021 – December 2021				
	Third Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)	
I	Molecular Plant Physiology	80	20	4
II	Ecology and Environmental Biology	80	20	4
III	Animal Physiology	80	20	4
IV	Developmental Biology and Evolution	80	20	4
LC-I	Lab Course I (Based on Theory papers I & II)	80	20	2
LC-II	Lab Course I (Based on Theory papers III & IV)	80	20	2
	Total	600		20
January 2022 – June 2022				
	Fourth Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)	
I	Molecular Endocrinology	80	20	4
II	Plant Biotechnology	80	20	4
III ^a	Parasitology/ Basic Chronobiology/ Ethnobotany	80	20	4
IV ^a	Immunology/ Applied Chronobiology / Secondary Metabolites	80	20	4
LC-I	Lab Course I (Based on Theory papers I & II)	80	20	2
^a = Only one paper will be active.				

LC-II	Lab Course II (Based on Theory papers III & IV)	80	20	2
	Total		600	20
	Grand Total		2400	Credit:80

Important Note:

Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.

Continuous evaluation of Performance*

Each student will be evaluated continuously throughout the semester. Each student will be required to submit a brief write-up (not more than 15-20 pages) on his/her poster/oral presentation.

Out of 20 marks allocated for internal Assessment for each paper

- 10 marks are to be assigned for class test.
- 5 marks are to be assigned for assignment/seminar presentation.
- 5 marks are to be assigned for attendance.

The marks for attendance shall be as follows:

(i)	More than 65% but less than 70%	1 Marks
(ii)	70% or more but less than 75%	2 Marks
(iii)	75% or more but less than 80%	3 Marks
(iv)	80% or more but less than 85%	4 Marks
(v)	85% and above	5 Marks

Scheme for Lab Course (for each Semester)

External/Internal

Maximum Marks 100

1-	Major exercise based on paper I	20
2-	Minor exercise based on paper I	10
3-	Major exercise based on paper II	20
4-	Minor exercise based on paper II	10
5-	Spotting/ Interpretation•	10
6-	Viva-voce	10

Internal

1-	Sessional	20
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Total 100

- A student will be required to interpret on the displayed item/material

M. Sc. Bioscience
FIRST SEMESTER (July 2020 – December 2020)
PAPER - I: CELL BIOLOGY
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Molecular organization of membranes - Asymmetrical organization of lipids, proteins and carbohydrates. Membrane transport: Passive transport, Osmosis, ion channels, membrane pumps and, Active transport: ATP-powered pumps-types, properties and mechanisms, electrical properties of membranes.
- UNIT-II** Protein trafficking: Transport of proteins into mitochondria, chloroplast, endoplasmic reticulum and nucleus [in and out]. Transport by vesicle formation: exocytosis, endocytosis and its molecular mechanism.
- UNIT-III** Cell signaling: Signaling via G-protein linked and enzyme linked cell surface receptors, MAP kinase pathways.
Eukaryotic cell division cycle: different phases and molecular events, regulation and control of cell cycle. Oncogenes: retinoblastoma, E2F and p53 proteins.
Apoptosis: regulation by CASPases and formation of apoptosome. Pro- and anti-apoptotic factors.
- UNIT-IV** States of chromosomes during cell cycle. Mitotic chromosome. Organization of genes in chromosomes. Banding pattern of chromosomes. Lampbrush and Polytene chromosomes. DNA packaging: Chromatin, nucleosomes, heterochromatin and euchromatin.

Lab Course:

1. Study of chromosome behaviour during Mitosis and meiosis (Onion / Garlic root tips, Onion buds, human lymphocytes, rat or bird testis /grass hopper testis or any other materials).
2. Calculation of mitotic index in growing Onion / Garlic root tips
3. Squash preparation: Polytene chromosome (in chironomus / Drosophila or other insect salivary gland) and Barr body (in buccal epithelial cells).
4. Demonstration of secretory granules in the salivary gland cells of insect.
5. Demonstration of mitochondria by vital staining.
6. Study of permanent slides.
7. Estimation of DNA
8. Estimation of RNA
9. Sub-cellular fractionation and marker enzymes
10. Identification of biomolecules in different tissues by histochemical techniques
11. Preparation of mitotic plate by carmine squashing method and phase identification.
12. Demonstration of the nuclear matrix networks in onion cells.
13. Study of the effect of chemical agents on chromosomes plant cells.
14. Isolation of protoplast, measurement of cell density plating efficiency.
15. Preparation of Karyotype of metaphase plate.
16. Preparation of Meiotic plate and determination of phases.
17. Computation of Chiasma frequency and Terminalization of phases.
18. Micrometry and Camera Lucida drawings.

Books Recommended:

H. Lodish, A. Berk, S L Zipursky, P. Matsudaira D. Baltimore, and James Darnell.	Molecular Cell Biology
B. Alberts, D. Bray, K. Hopkin, A. Johnson	Essential of Cell Biology
H. Lodish, A. Berk, C. A. Kaiser & M. Krieger	Molecular cell Biology
B. Alberts, A. Johnson, J. Lewis and M. Raff	Molecular Biology of the Cell
Gerald Karp	Cell and Molecular Biology Concepts and experiments

M. Sc. Bioscience

FIRST SEMESTER (July 2020 – December 2020)

PAPER – II: Biomolecules

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Classification, structure and function of Carbohydrates, Lipid:
Carbohydrate: Monosaccharides, homo and hetero-polysaccharides, Peptidoglycan glycoproteins and liposaccharide.
Lipids: Simple; cholestrol and complex; phospholipids and TAG
- UNIT-II** Classification, structure and functions of amino acids, Synthesis of peptides, Proteins- properties, secondary, tertiary and quaternary structure of proteins, Ramchandran plot.
Nucleic Acid: Structure and functions of Purine and pyrimidine, DNA-types, linking number, RNA-types.
- UNIT-III** Enzyme: apoenzymes, cofactors, coenzymes, active site, factors contributing to the catalytic efficiency of enzyme; enzyme kinetics- Michaelis-Menten equation, determination of Km, enzyme inhibition, allosteric enzymes, isoenzymes, multienzyme complexes
- UNIT-IV** Structure and biological role of:
Porphyrins in biology, structure of hemoglobin and chlorophyll
Animal hormones: protein, peptide and steroid hormones.
Vitamins: fat and water soluble.

Lab Course:

1. Specific tests for sugars, amino acids and lipids
2. Formal titration of amino acids
3. Estimation of proteins using ninhydrin and biuret method
4. Estimation of sugar by anthrone and Folin-Wu method.
5. Saponification value and iodine number of fat.
6. Estimation of ascorbic acid.
7. Achromic point determination using salivary amylase
8. Effect of ions on salivary amylase activity.
9. Enzyme assay and kinetics (ex. Amylase, Protease)

Books Recommended:

Nelson, Cox and Lehninger	Principles of Biochemistry
G. Zubay	Biochemistry
Stryer	Biochemistry
Garrett and Grosham	Biochemistry
West, Tood, Mason & Bbruglen	Text book of biochemistry
White, Handler & Smith	Biochemistry-clinical application
D. Voet and J C Voet	Biochemistry

M. Sc. Bioscience

FIRST SEMESTER (July 2020 – December 2020)

PAPER – III: Microbiology

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

UNIT-I General characteristics of fungi, classification of fungi, life cycle of selected fungal genus (*Aspergillus*, *Penicillium*, *Fusarium* and *Mucor*). Economic importance of fungi. Microbial association, parasitism, mutualism and symbiosis with plants and animals. Mycorrhiza, VAM. Algae: Distribution, classification, reproduction, ecology and importance.

UNIT-II Morphology and ultra-structure of bacteria: Morphological types, cell wall of archaeobacteria, gram negative, gram positive eubacteria. Bacterial cell membranes – structure, composition and properties. Structure and function of flagella, cilia, pili, gas vesicles. Cyanobacteria, protozoa, mycoplasma and Rickettsia. Gene transfer mechanisms: transformation, transduction, conjugation and transfection. Plasmids and cosmid vector for gene cloning

UNIT-III Nutritional types (autotrophs, heterotrophs, phototrophs, chemotrophs), growth curves, measurement of growth, factors affecting growth, generation time, growth kinetics. Batch and continuous culture, Basis of microbial classification, classification and salient feature of bacteria according to Bergey's manual of determinative bacteriology.

UNIT-IV Viruses: Structure and classification; General concepts: Viral genome, capsids, envelopes, viroids and prions). Virus reproductions: Lysogeny and Lytic phase, Bacteriophages and their types. Introduction to Plant and animal viruses (TMV, HIV, Hepatitis virus, H1N1 virus, Small Pox virus and Ebola virus), Route of transmission of viruses, Laboratory diagnosis and treatment, Antiviral therapy

Lab Course:

1. Glassware preparation and sterilization techniques- wet heat- dry heat- filter types- laminar flow chamber types- CDC- safety levels.
2. Preparation of liquid & solid media, plating, pouring, inoculation and incubation for growth of microorganism
3. Methods of obtaining pure culture of microorganisms (a) streak plate (b) Pour plate, and (c) spread plate methods
4. Identification and Microscopic examination of the microorganisms.
5. Motility of bacteria by hanging drop technique.
6. Bacterial DNA isolation from *E-coli* culture.

7. Grams' staining for Gram positive and Gram's negative Bacteria.
8. Study of bacterial growth by turbidimetry/ spectrophotometry
9. Isolation and enumeration of microorganisms from soil by serial dilution agar plating method.
10. Enumeration of viruses by plaque assay technique.

Books Recommended:

Microbiology	L.M. Prescott, J.P. Harley and D.A. Klein
General Microbiology	RY Stanier, J L Ingrahamana, ML Wheelis & P. R. Painter
Principles of Microbiology	R.M. Atlas
Microbiology	Peleczar, Chan & Krieg.
General Virology	Luria, Darnell, Baltimore and Campell.
Introduction to Mycology	CJ Alexopoulos and CW Mims
Principles of Virology: Molecular	S. J. Flint, V. R. Racaniello, L. W. Enquist,
Biology, Pathogenesis, and	V. R. Rancaniello, A. M. Skalka
Control of Animal Viruses	

M. Sc. Bioscience

FIRST SEMESTER (July 2020 – December 2020)

PAPER – IV: Biology of Immune System

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Innate immune mechanism and characteristics of adaptive immune response. Cells of immune system: Hematopoiesis and differentiation, mononuclear cells and granulocytes, antigen presenting cells.
Primary and Secondary lymphoid organs and tissues.
Ontogeny and phylogeny of lymphocytes. Lymphocyte traffic.
- UNIT-II** Antigen receptor molecules: B-cell receptor complex, Immunoglobulin- structure, types and function. T-cell receptor complex. Major Histocompatibility Complex- types, structural organization, function and distribution. Transplantation and Rejection. Complement system.
- UNIT-III** Antigens: nature of antigens, factor affecting immunogenicity, Haptens and super antigens. Antigenic determinants. Recognition of antigens by T and B cell.
Antigen processing. Role of MHC molecules in antigen presentation and co-stimulatory signals.
Antigen and antibody interaction.
- UNIT-IV** Cell mediated immune response. Cytokines and interleukins- structure and function. Immunity to infections. Hypersensitive reactions and their types.
Immunodeficiency disorders. Autoimmunity and autoimmune disorder. Immunological tolerance.

Lab Course:

1. Identification of cells of immune system

2. Separation of mononuclear cells by Ficoll-Hypaque
3. Identification of Lymphocytes and their subsets
4. Lymphoid organs and their microscopic organization
5. Isolation and purification of Antigens
6. Purification of IgG from serum
7. Estimation of Levels of gamma globulins and A/G ratio in blood
8. Antigen antibody interaction

Books Recommended:

Kuby's Immunology	R.A. Goldsby, T. J Kindt and B. A. Osborne
Immunology- A short Course	E. Benjamini, R. Coico and G. Sunshine
Immunology	Roitt, Brostoff and Male
Fundamentals of Immunology	William Paul
Immunology	Tizard
Immunology	Abbas et al

M. Sc. Bioscience

SECOND SEMESTER (January 2021 – June 2021)

PAPER – I: Genetics and Molecular Biology

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Gene mapping methods: Linkage maps, tetrad analysis, mapping with molecular markers, mapping by using somatic cell hybrids, development of mapping population in plants, complementation analysis. Mutation: Types, mutagens and detection. Mutant types – lethal, conditional, biochemical, loss of function, gain-of-function, germinal verses somatic mutants, insertional mutagenesis.
- UNIT-II** DNA replication in eukaryotes and prokaryotes : enzymes involved, replication origin and replication fork, fidelity of replication, extrachromosomal replicons. DNA damage and repair mechanisms: Repair of Base-excision, Nucleotide excisions, Mismatch and Double Strand. p_{53} and p_{21} .
- UNIT-III** RNA synthesis and processing: enzymes involved, formation of initiation complex, transcription activator and repressor, elongation, and termination, RNA processing, capping, RNA editing, splicing, and polyadenylation, RNA transport.
- UNIT-IV** Protein synthesis and processing: Ribosome, formation of initiation complex, initiation factors, elongation and elongation factors and their regulation, termination. Aminoacylation of tRNA, tRNA-identity, aminoacyl tRNA synthetase, and translational proof-reading, translational inhibitors. Post Translational modification of proteins.

Lab Course:

1. Isolation, purification and estimation of RNA

2. Isolation, purification and estimation of DNA
3. Determination of T_m of nucleic acid
4. Fraction of poly (A) RNA
5. Restriction Mapping
6. Restriction Digestion
7. Ligation
8. DNA molecular size determination

Books Recommended:

Molecular Cell Biology	H. Lodish, A. Berk, SL Zipursky, P. Matsudaira, D. Baltimore, and James Darnell.
Essential Cell Biology	B. Alberts, D. Bray, K. Hopkin and A. Johnson
Molecular Biology of the Cell	B. Alberts, A. Johnson, J. Lewis and M. Raff
Cell and Molecular Biology	Gerald Karp
: Concepts and experiments	
Molecular Biology of the Gene	JD Watson et al.
Molecular Biology of the Cell	John Wilson, Tim Hunt
The Problems	
Molecular Biology of the Cell	Bruce Albert's, Alexander Johnson, Julian Lewis, Martin Raff, Keith Roberts, Peter Walter
Genes VIII	Benjamin Lewin

M. Sc. Bioscience

SECOND SEMESTER (January 2021 – June 2021)

PAPER – II: Bioenergetics & Metabolism

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** First and second laws of thermodynamics. Gibbs free energy G , free energy change ΔG , endergonic & exergonic reactions. Standard state free energy changes- ΔG , ΔG° and $\Delta G'^\circ$, Relationship between equilibrium constant and $\Delta G'^\circ$, Feasibility of reactions. ATP-Structure, properties and energy currency of the cell, Importance of Coupled reactions, other high energy compounds.
- UNIT-II** Carbohydrate metabolism: Glycolysis, Kreb's cycle, glycogenolysis, glycogenesis, pentose phosphate pathway, gluconeogenesis, and glyoxylate pathway. Regulation of carbohydrate metabolism.
- UNIT-III** Electron transport and oxidation phosphorylation: electron carriers, complexes I to IV, substrate level phosphorylation, mechanism of oxidative phosphorylation. Shuttle system for entry of electron. Biosynthesis and degradation of Lipids. Regulation of lipid metabolism
- UNIT-IV** Nitrogen Assimilation: Overview of Nitrogen in biosphere and uptake by organism. Biosynthesis and degradation of amino acids. Regulation of amino acid metabolism. Biosynthesis and degradation of purine and pyrimidine nucleotides.

Lab Course:

1. Protein estimation by Lowry, Bradford and Spectrophotometric method
2. Estimation blood cholesterol
3. Estimation of sugar by Nelson- Somagy and Benedict's reagent
4. Isolation and estimation of lipid from seeds and egg.
5. Estimation of inorganic and total phosphorus by Fiske-Subba Rao method
6. Assay of phosphatases in blood and seeds
7. Urease estimation in plant tissues

Books Recommended:

Principles of Biochemistry	Nelson, Cox and Lehninger
Biochemistry	G. Zubay
Biochemistry	Stryer
Biochemistry	Garrett and Grosham
Text book of biochemistry	West, Tood, Mason & Bbruglen
Biochemistry	White,Handler & Smith
Biochemistry with clinical application	D. Voet and J C Voet
Enzymes	Dixon and Webb
Fundamentals of Enzymology	Price and Steven
Practical biochemistry	Plummer
Enzyme biotechnology	G. Tripathi
Enzyme Reaction Mechanism	Walsh
Enzyme catalysis and regulation	Hammes

M. Sc. Bioscience

SECOND SEMESTER (January 2021 – June 2021)

PAPER- III: Instrumentation and Techniques

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Centrifugation: Principle, techniques. Preparative, analytical and ultracentrifuges, sedimentation coefficient and factors affecting sedimentation coefficient. Application of centrifugation.
Photometry: Basic principles of colorimetry, UV- visible spectrophotometry & IR- spectrophotometry.
Spectroflurometry
Atomic absorption spectroscopy: Principle, Instrumentation and applications
- UNIT-II** Microscopic techniques: light microscopy, phase-contrast microscopy, scanning and transmission electron microscopy, different fixation and staining techniques for EM, freeze-etch and freeze-fracture methods for EM, image processing methods in microscopy.
- UNIT-III** Chromatography: Paper and Thin Layer Chromatography. Gel filtration, Ion exchange and Affinity chromatography. GLC and HPLC.

Histochemical and immunohistotechniques: Detection of molecules using immunoprecipitation, EIA, RIA and FIA.

UNIT-IV Electrophoresis: Agarose, PAGE, 2D-E.

Radioactivity: GM counter, liquid Scintillation counter, solid Scintillation counter, gamma counters.

Lyophilization: Principle, instrumentation and applications.

Microtomy: types, principle and applications

Lab Course:

1. Verification of Beers Law
2. Determination of absorption maxima
3. Quantitative determination, Enzyme kinetics
4. Amino acid and carbohydrate separation by paper and TLC
5. Ion exchange and gel filtration chromatography
6. SDS Polyacralamide Gel Electrophoresis
7. Isoenzymes
8. Separation of sub-cellular organelles by differential centrifugation.
9. Isolation of DNA and Agarose gel Electrophoresis

Books Recommended:

K Wilson and John Walker	Practical Biochemistry: Principles & Techniques
RF Boyer	Biochemistry Laboratory: Modern Theory & Techniques
S Carson, H Miller and D Scott	Molecular Biology Techniques: A Classroom Laboratory Manual
TC Ford and J. M. Graham	An Introduction to Centrifugation
R Baserga and D Malamud	Autoradiography: techniques and application
T Chard	An Introduction to Radioimmunoassay and Related Techniques , Volume 6
TA Jennings	Lyophilization: Introduction and Basic Principles
James M. Miller	Chromatography: Concepts and Contrasts
LR Synder, JJ Kirkland and JL Glajch	Practical HPLC Method Development, 2nd Edition
Anna Pratima Nikalje & D. Bhosale	A Handbook of Chromatography
Mark F. Vitha	Chromatography: Principles and Instrumentation
AGE Pearse	Histology and Histochemical methods
PA Midgley	The principles of microscopy
DB Murphy & MW Davidson	Fundamentals of Light Microscopy and Electronic Imaging, Second Edition
IW Watt	The Principles and Practice of Electron Microscopy
RF Egerton	Physical Principles of Electron Microscopy
P Haselet, G-W Oetjen	An Introduction to TEM, SEM, and AEM
EC Clayden	Freeze-Drying, 3rd Edition
T Chandak, M Chaudhary & V Chandak	Practical Section Cutting and Staining
Simon Renshaw	Microtomy: Microtome and its applications
IB Buchwalow & W Bocker	Immunohistochemistry and Immunocytochemistry: Essential Methods, Second Edition
JB Birks	Immunohistochemistry: Basics and Methods
	The Theory and Practice of Scintillation Counting

M. Sc. Bioscience
SECOND SEMESTER (January 2021 – June 2021)
PAPER- IV: BIOMETRY, COMPUTER AND SCIENTOMETRY
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- Unit-I** Introduction to biostatistics. Types of biological data: data on different scales. Frequency distributions. Cumulative frequency distributions. Random sampling. Parameters and statistics. Measures of central tendency and dispersion: Mean, Median, Mode, Range, Variance and Standard deviation. Coefficient of variation. The effects of coding data. Data transformations: Log-transformation, Square-root transformation and Arcsine transformation. Distribution: normal & binomial. Probability: Basic laws of probability, addition law, multiplication law. Probability and frequency.
- Unit-II** Statistical errors in hypothesis testing. Testing goodness of fit: Chi-square goodness of fit. Heterogeneity Chi-square. The 2 x 2 contingency table. One sample hypothesis. Two-sample hypothesis. Testing for difference between two means (t-test). Testing for difference between two variances (F-test). The paired sample t-test. Multiple-sample hypothesis (ANOVA): Single factor and two factors ANOVA. Multiple comparisons: Duncan's multiple-range tests. Simple linear regression. Regression vs. Correlation. Regression equation. Interpretations of regression functions. Simple linear correlation. The correlation coefficient.
- Unit-III** Introduction to MS-Office software: Word processing; creating new document, editing documents, adding graphics to documents, Word tables. Management of Workbook & Worksheets; Applications, Features, Using formulas and functions, Features for Statistical data analysis, Excel ToolPak for data analysis, Generating charts/ graph. Presentation software; Working in PowerPoint, Creating new presentation, working with slides.
- Unit-IV** Introduction to Internet and Applications. Basics of internet, e-mailing, Search engine – Google and Yahoo; Pub med, Scopus, Web of Science, Google Scholar, Indian Citation Index, Science Citation Index (SCI), h-index, i-10-index. Journal Impact Factor (JIF). Introduction to Plagiarism and Cyber laws.

Lab Course:

1. Exercises for data distribution
2. Exercises for computation of measures of central tendency
3. Exercises for computation of measures of variability
4. Computation of correlation coefficient, r, and regression constants
5. Data analysis by ANOVA and multiple-range tests
6. Hypothesis testing by t-test, F-test, and Chi-square test
7. Graphical presentation of data using a suitable package
8. Statistical analysis of a data using a suitable package
9. Preparation of document using a suitable package
10. Preparation of slides using a suitable package
11. Hands-on-practice for finding indices [SCI, h-index, i-10 index] of articles using relevant database

Books Recommended:

Campbell RC	Statistics for biologists
Zar JH	Biostatistical Analysis
Wardlaw AC	Practical Statistics for Experimental Biologists
Snedecor GW & Cochran WG	Statistical Methods
Sokal RR & Rohlf FJ	Introduction to Biostatistics
Sumner M	Computers: Concepts & Uses
White R	How Computers Work
Cassel P et al.	Inside Microsoft Office Professional
Coleman P and Dyson P	Mastering Internets
Gralla P	How the Internet Works
Shelly GB, Vermaat ME, Cashman TJ	Microsoft 2007: Introductory Concepts & Techniques
Habraken J	Microsoft Office 2003 All in One
	Microsoft Office 2010 In Depth
Gilmore B	Plagiarism: Why it happens, How to prevent it?
Buranen L & Roy AM	Perspectives on Plagiarism & Intellectual Property in a Post-Modern World
Kumar Anupa P	Cyber Law
Sood V	Cyber Law Simplified

M.Sc. Bioscience	
Third Semester (July 2021 – December 2021)	
Paper I: Molecular Plant Physiology [Credit: 4 and Maximum Marks: 80]	
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words	
Unit-I	Membrane transport : Pumps; F-type H^+ -ATPase mitochondria, P-type PM H^+ -ATPase, V Type H^+ -ATPase, and ABC type. Ion Channels; Voltage gated channels of K and Ca. Water transport through Aquaporins. Physiology of Mineral Nutrition: Molecular mechanism and regulation of K, Fe and Zn transport. Phosphorous nutrition and transport. Phytoremediation. Mineral toxicity
Unit-II	Photosynthesis: Light absorption and energy conversion, photosystems I and II, ATP synthesis, Assimilation of carbon in C_3 , C_4 and CAM pathways, Photorespiration
Unit-III	Phytohormones: Structure, biosynthesis, molecular mechanisms of Auxin, Gibberellins, Cytokinin, Absciscic acid and Ethylene, Brassinosteroids
Unit-IV	Senescence and Programmed cell death: Senescence; Metabolism and regulation of pigment and nucleic acid, PGR regulation, SAG. PCD; Formation of TE and mobilization of cereal endosperm, Formation of aerenchyma. Signal transduction and PCD

Lab Course:	
1.	Spectrophotometric determination of chlorophyll-a, chlorophyll-b and total chlorophyll in young, mature and senescent leaves
2.	Kinetin estimation by cucumber cotyledons expansion bioassay
3.	Auxin bioassay using wheat coleoptiles
4.	GA bioassay by inducing <i>de-novo</i> synthesis of Amylase in de-embryonated seeds of wheat
5.	Estimation of mono, di and total phenols in the young and aged leaves
6.	Estimation of Guaiacol peroxidase activity in fresh and aged seeds
7.	Determination of Superoxide dismutase levels in the healthy and deteriorated seeds
8.	Estimation of metal toxicity induced changes in the AOS levels in leaf tissues
9.	Determination of Nitrate reductase activity in leaf tissues
10.	Separation of isozymes of SOD and GPX
Recommended Books:	
Fosket DF	Plant Growth & Development
Foyer CH	Photosynthesis
Bacon Ke	Photosynthesis: Photobiochemistry & Photobiophysics
Leopold AC & Kriedemann PE	Plant Growth & Development
Moore TC	Biochemistry & Physiology of Hormones
L Taiz & E Zeiger	Plant Physiology
BB Buchanan, W Gruissem & RL Jones	Biochemistry & Molecular Biology of Plants
MB Wilkins	Advanced Plant Physiology
JA Hopkins	Introduction to Plant Physiology
FB Salisbury & CW Ross	Plant Physiology
Hans-Walter Heldt	Plant biochemistry & Molecular Biology

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Third Semester (July 2021 – December 2021)	
Paper II: Ecology and Environmental Biology	
[Credit: 4 and Maximum Marks: 80]	
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words	
Unit-I	Ecosystem: Concept, Components and types. Productivity, Ecological energetics, Energy flow in ecosystem, Energy flow models, Ecological pyramids, Food chain, Food web. Ecological succession, Ecological niche.
Unit-II	Aquatic ecosystem: Biotic and abiotic components, lentic and lotic ecosystems, wetlands. Terrestrial ecosystems: Forest types of India with special reference to Chhattisgarh. Natural and plantation (artificial) forests, Agroforestry, Social forestry, National parks and Sanctuaries in Chhattisgarh.
Unit-III	Environmental pollution: Definition, types (air, water, soil, noise, thermal & radioactive), causes, effects and control.

	Solid waste management: Causes, effects and control measures of urban and industrial wastes. Disaster management: Floods, earthquake, cyclone and landslides.
Unit-IV	Biodiversity, ex-situ and in- situ conservation. Intellectual property right (IPR) with special reference to India. Natural resources: Water, Forest and Medicinal plants.
Lab Course:	
1.	To determine the minimum size of the quadrat by 'Specis -Area-Curve' method
2.	To study the community by quadrat method by determining frequency, density and abundance of different species present in the community
3.	Chromatographic separation of chlorophyll pigments in leaf
4.	Measurement of pH and Total alkalinity in water
5.	Measurement of Free carbon dioxide and dissolved oxygen in given water
6.	Identification and drawing of at least 15 medicinal plants
Recommended Books:	
A Beattie and PR Ehrlich	Biodiversity, 2001
EP Odum	Fundamentals of Ecology, 2nd ed., 494-496
EP Odum	Basic Ecology (Philadelphia: Saunders, 1983), 518.
PD Sharma	Ecology and Environment, 2009, Rastogi Publications
M Calver	Environmental Biology, Murdoch University, Western Australia
Aggarwal	Concept of Ecology
NS Subrahmanyam	Ecology, Narosa Publications

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Third Semester (July 2021 – December 2021)	
Paper III: Animal Physiology [Credit: 4 and Maximum Marks: 80]	
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words	
Unit-I	Blood and Circulation: Composition of blood, Cell types, Hemopoiesis, Structure and function of hemoglobin - Oxygen and carbon dioxide transport, Blood Coagulation. Blood volume and its regulation. Blood group. Respiration: Mechanism and regulation of breathing, Factors influencing oxygen uptake, Diving and high altitude adaptations. Measurement of metabolic rate and Q_{10}
Unit-II	Nervous system: Mechanisms of conduction along axon and across synapses, Nernst equation and measurement of action potential, Neurotransmitters, Types and physiology of reflexes. Myology: Types of muscles, Ultrastructure, mechanism and regulation of contraction of skeletal muscle.
Unit-III	Cardiovascular System: Anatomy of heart structure, ECG—its principle and significance, cardiac cycle, blood pressure and its neural and chemical regulation.

	Excretory system - Physiology of excretion, kidney, urine formation, urine concentration, waste elimination, regulation of water balance, electrolyte balance, acid-base balance.
Unit-IV	Digestive system - Digestion, absorption, energy balance, BMR. Thermoregulation - Comfort zone, body temperature – physical, chemical, neural regulation, acclimatization.

Lab Course:

1.	Examination of RBC in Piscine/Avian/Human blood.
2.	Examination of WBC in Piscine/Avian/Human blood.
3.	Differential leukocyte counts in Human blood.
4.	Determination of Hb/Hct/ Absolute values in Piscine/Avian/Human blood.
5.	To determine prevalence of different types of polymorphs in human blood (Based on Arneeth's classification).
6.	Demonstration of hemin crystal.
7.	To determine absolute Eosinophil count in Human blood
8.	To determine blood pressure in different body position [standing, supine, seating position]
9.	To determine the effect of exercise on blood pressure
10.	Computation of mean arterial pressure
11.	To evaluate peak expiratory flow rate [lung efficiency] as function of age and gender
12.	To study different stages of melanophores in scales of the live fish
13.	To study the effect of temperature on melanophores in scales of live fish
14.	To observe the effect of adrenalin [neurotransmitter] on melanophores in scales of live fish

Books Recommended:

PJ Bentley	Comparative vertebrate endocrinology
WF Ganong	Review of medical physiology
A Gorbman & HA Bern	A textbook of endocrinology
AC Guyton	Textbook of medical physiology
WS Hoar & DJ Randall	Fish physiology [Series]
CR Martin	Endocrine physiology
CL Prosser & FA Brown	Comparative animal physiology
K Schmidt-Nielsen	Animal physiology: Adaptation & environment
CD Turner & JT Bagnara	General endocrinology
JD Wilson & DW Foster	Textbook of endocrinology
D Randall, W Burggren & K French	Animal Physiology: Mechanisms and adaptations

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Third Semester (July 2021 – December 2021)

Paper IV: Developmental Biology and Evolution

[Credit: 4 and Maximum Marks: 80]

Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words

Unit-I	Gametogenesis in animals. Molecular events during fertilization. Activation of egg metabolism. Cleavage patterns and fat maps. Regulation of Cleavage cycle. Cleavage and nuclear activity.
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Unit-II	Concepts of determination, competence, induction and differentiation. Determination in <i>Caenorhabditis elegans</i> . Germ cell determination, migration and differentiation. Totipotency and nuclear transfer experiments. Embryonic induction. Formation of vulva in <i>C. elegans</i> . Mechanism of differentiation in <i>Dictyostelium</i> .
Unit-III	Morphogenetic determinants in egg cytoplasm. Role of maternal contributions in early embryonic development. Genetic regulation of early embryonic development in <i>Drosophila</i> . Homeotic genes. Genetic interaction during differentiation. Hox genes and limb patterning.
Unit-IV	Concepts and theories of organic evolution. The processes of Evolutionary change-Genetic drift, Natural selection and the Hardy-Weinberg equilibrium. Speciation. Molecular evolution and origin of life. Evolution of Prokaryotes and Eukaryotes. A brief outline of the evolutionary history of Metazoans including-Evolution of tissue grade, coelomic body plans and Chordates. Evolution of Mankind.

Lab Course:

1.	Study of developmental stages in Snail/Amphibian/Chick
2.	Study on <i>Drosophila</i> development
3.	Role of hormones in metamorphosis and development
4.	Effect of Vitamin A on tail regeneration in frog
5.	Biochemical estimations in developing embryos
6.	Structure of hen's egg and its vital staining
7.	Demonstration of cell death by vital staining
8.	Study of permanent slides of chick embryos
9.	Histological studies of Gametogenesis
10.	Induced breeding in fishes

Recommended Books

Alberts <i>et al.</i>	Molecular Biology of the Cell
SF Gilbert	Developmental Biology
Lewin Benjamin	Gene VIII
	Developmental Genetics
PO Moody	Introduction to Evolution, 1970, Harper and Row
Dobzhansky <i>et al.</i>	Evolution, W. H. Freeman. New York
SW Fox and K Dose	Molecular Evolution and the Origin of Life, 1972, W.H. Freeman & Co Ltd.
FJ Ayala and JW Valentine	Evolving: The theory and processes of Organic evolution, 1979, Benjamin/Cummings Pub. Co.
EO Dodson	Evolution: Process and Product
MW Strickberger	Evolution, 1979, James and Barlett International

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Fourth Semester (January 2022 – June 2022)

**Paper I: Molecular Endocrinology
[Credit: 4 and Maximum Marks: 80]**

Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words

Unit-I	Definition and scope of molecular endocrinology. Chemical nature and general classes of hormones: Peptide, Amino acid derived, Steroid, Neurotransmitters, Neuropeptides, Chalcones, Eicosanoids and Pheromones. Hypothalamic octapeptide hormones: Oxytocin
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	and Vasopressin. Purification and characterization of hormones. Hypothalamo-hypophyseal axis.
Unit-II	Genetic control of hormone synthesis: Structure and expression of protein hormone encoding gene. Molecular aspects of peptide hormone biosynthesis and secretion. Molecular aspects of synthesis and delivery of thyroid hormones, biogenic amines and steroid hormones. Production of protein hormones by recombinant DNA technology
Unit-III	Molecular mechanism of hormone action: Membrane, cytoplasmic and nuclear hormone receptors, Non-genomic mechanism of hormone action, Receptor-ligand interactions. Hormonal signal transduction: G-proteins and second messengers. Genomic mechanism of hormone action: Steroid and thyroid hormones.
Unit-IV	Molecular aspects of Reproductive endocrinology: Genetics of sex. Testicular and ovarian determining genes. Mullerian inhibiting substance genes. Stem cell renewal in testis. Molecular basis of male and female contraception. Endocrine disruptors. Neuroendocrine control of reproduction and feedback mechanism.
Lab Course:	
1.	Purification of any protein hormone.
2.	Assay of steroid dehydrogenase
3.	Isolation and characterization of steroid/prostaglandin.
4.	In vivo bio- assay for estrogen/testosterone/LH
5.	Perfusion technique for the fixation of endocrine tissue
6.	Identification of hypothalamic nuclei following histological / histochemical methods
7.	Histological / Cytological / Histochemical study of endocrine glands.
8.	Study of estrus cycle by vaginal smear technique.
9.	Extraction and estimation of Gondotrophin / Pregnandiol from urine.
10.	Sperm count and motility.
11.	Study of neurosecretory cells/ materials/granules in the given materials.

Recommended Books

Franklyn F. Bolander Freedman and Birkhauser	Molecular Endocrinology: Molecular Biology of Steroid and Nuclear Hormone receptors:
An Introduction to Neuroendocrinology	Brown R.
Endocrinology	Mac E. Hadley
Endocrinology (Vol. I-III)	D Groot. L. J. (ed.), W. B. Saunder
Vertebrate Endocrinology	Norris, D. O.
Essential Endocrinology	Brook, C.G.D. and Marshall, N.J.
Williams Textbook of Endocrinology	Shlomo Melmed et al,
Basic Medical Endocrinology	Goodman. H.M.
Introduction to Endocrinology	Negi.
Reproductive Endocrinology	Yen et al (ed)
Reproductive Endocrinology	Adashi et al,
Experimental Endocrinology	Zarrow et al.
Essential techniques in reproductive physiology and Endocrinology	Chinoy et al.
Cell and Molecular Biology of Testis	Claude D and Larry L. E (ed)
Biochemical actions of hormones	Litwack, G.
Nuclear Receptors: Current Concepts and Future Challenges	CM Bunce, MJ Campbell

M.Sc. Bioscience	
Fourth Semester (January 2022 – June 2022)	
Paper II: Plant Biotechnology [Credit: 4 and Maximum Marks: 80]	
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words	
Unit-I	Introduction to cell and tissue culture: Tissue culture media (composition and preparation), explant preparation, Callus and suspension culture, cytodifferentiation and organogenic differentiation, somatic embryogenesis, micropropagation. Shoot tip culture: Rapid clonal propagation and production of virus free plant.
Unit-II	Embryo culture and embryo rescue. Anther, pollen and ovary culture for production of haploid plants & homozygous lines. Protoplast isolation, culture and fusion; selection of hybrid cells and regeneration of hybrid plants; symmetric and asymmetric hybrids, cybrids. Germplasm conservation: Cryopreservation & slow growth cultures. Chloroplast Transformation: Advantages, vectors, success; tobacco & potato
Unit-III	Plant transformation technology: Plant transformation technology: basis of tumor formation, hairy root, features of Ti and Ri plasmids, mechanism of DNA transfer, role of virulence genes, use Ti and Ri as vectors, binary vectors, use of 35S and other promoters, use of reporter genes, particle bombardment, electroporation, microinjection.
Unit-IV	Applications of plant transformation for productivity and performance: herbicide resistance, insect resistance, long shelf-life of fruits. Bt genes, Non-Bt like protease inhibitors & amylase inhibitors, virus resistance, nucleocapsid gene, disease resistance, PR (Pathogenesis Related) proteins, nematode resistance, abiotic stress, male sterile lines.
Lab Course:	
1.	Preparation of culture media
2.	To perform meristem/ bud culture, shoot multiplication & rooting phenomenon
3.	To study organogenesis
4.	To perform somatic embryogenesis
5.	To study the process of plantlet acclimatization
6.	To perform embryo culture
7.	To study the process of anther culture development
8.	Study of molecular markers
9.	Extraction of DNA from plant cultures
10.	Estimation and separation of DNA using agarose gel electrophoresis and spectrophotometer
Recommended Books:	
MK Razdan	Introduction to Plant Tissue Culture, 2 nd Edition,
IK Vasil	Plant Cell and Tissue Culture;

SS Bhojwani and MK Razdan	Plant Tissue Culture;
TJ Fu, G Singh and WR Curtis	Plant Cell and Tissue Culture for the production of Food Ingredients.
J Hammond, P McGarvey & V Yusibov	Plant Biotechnology,
HS Chawla	Biotechnology in Crop Improvement,
HS Chawla	Introduction to plant biotechnology.
BD Singh	Biotechnology- Expanding Horizons.
Roberta H Smith	Plant Tissue Culture: Techniques and Experiments, 2 nd Edition:
Kyte L and Kleyn J	Plants from Test Tubes: An Introduction to Micropropagation, 3 rd
M Smith	Plant Propagator's Bible, 1 st Edition,
MR Ahuja	Micropropagation of Woody Plants,
YPS Bajaj	Trees III, Springer,
YPS Bajaj	Trees IV, Springer,

M.Sc. Bioscience	
Fourth Semester (January 2022 – June 2022)	
Paper III: Parasitology	
[Credit: 4 and Maximum Marks: 80]	
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words	
Unit-I	Parasites and parasitism. The Infection process: Modes of Parasite transmission, invasion, migration within host, maintaining station, obtaining nutrients and resisting host attack. Concept of Disease: Inflammation and Repair, Degeneration, Necrosis.
	Mechanism of Disease transmission with particular reference to vectors. Vector control measures.
Unit-II	General organization and life cycle patterns of Protozoa; Epidemiology, pathogenesis, diagnosis and control of major human diseases, such as- Malaria, Leishmaniasis and Trypanosomiasis.
Unit-III	General organization and life cycle patterns of Trematodes and Cestodes; Epidemiology, pathogenesis, diagnosis and control of major human diseases, such as- Schistosomiasis and Hydatidosis. Arthropod- related ectoparasitic diseases: Ticks, mites and flies.
Unit-IV	General Organization and life cycle patterns of Acanthocephala and Nematoda; Epidemiology, pathogenesis, diagnosis and control of major nematode diseases, such as- Ascariasis, Ancylostomiasis and Filariasis. Biology of plant parasitic nematodes.
Lab Course:	
1.	Identification and comments on permanent mounts of parasitic organisms
2.	Host examination for parasites; preparation of permanent slides and identification
3.	Histology/Histopathology/Histochemistry by routine and differential staining
4.	Biochemistry of parasites and pathophysiology of the hosts
5.	Root knot nematodes: Extraction and isolation (Cobb's sieving and decantation method and Baerman's Funnel technique), preparation of perennial pattern mounts
6.	Detection of blood parasites: Malarial parasite
7.	Macroscopic and microscopic examination of stool samples, concentration methods
Recommended Books:	

KD Chatterjee	Parasitology (Protozoology and Helminthology) in Relation to Clinical Med.. 9 th Ed.
TC Cheng	General Parasitology. Second Ed.,
CKJ Panicker	Textbook of Medical Parasitology. Jaypee Brothers,
TV Rajan	Textbook of Medical Parasitology.
D Rollinson, and SI Hay,	Advances in Parasitology; Volumes 1 to 78,
JD Smyth and DW Halton	The Physiology of Trematodes.
DJ Wyler, Ed.	Modern Parasite Biology: Cellular, Immunological and Molecular Aspects.

M.Sc. Bioscience	
Fourth Semester (January 2022 – June 2022)	
Paper III: Basic Chronobiology [Credit: 4 and Maximum Marks: 80]	
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words	
Unit-I	Historical developments in chronobiology. Different types of geophysical and biological cycles with examples of circadian rhythms. Quantification of biological rhythms - Average, amplitude, phase, and period. Brief introduction to time series analysis. Methods of time series analyses: COSINOR, AUTOCORRELATION, CHI-SQUARE PERIODOGRAM.
Unit-II	Characteristics of circadian rhythm: Free-run, Temperature and nutrition compensation, and Entrainment. Zeitgeber Time (ZT) and Circadian Time (CT). After-effects and Aschoff's rule. Aging and circadian clocks. Photoperiodism. Plant Rhythms
Unit-III	Synchronization (=Entrainment) and masking. Entrainment by single light pulse, complete and skeleton photoperiods. Zeitgebers for circadian clocks. Key properties of a Zeitgeber. Photic and non-photoc zeitgebers. Mechanisms of entrainment. Phase response curves (PRC), phase transition curves, strong and weak PRC.
Unit-IV	Circadian pacemakers in insects with special reference to <i>Drosophila</i> . Suprachiasmatic nucleus as mammalian circadian clock. Multi-oscillatory organization: master and slave oscillators, morning and evening oscillators, pacemaker and peripheral oscillators. Adaptive significance of circadian rhythms. Social consequence of circadian rhythms.
Lab Course:	
1.	Terminology in Chronobiology
2.	Study of locomotor activity rhythm in suitable animal models
3.	Actogram construction of locomotor activity of suitable animal models
4.	Study of phase shift in circadian rhythm in a suitable variable, such as locomotor activity
5.	Construction of Cosinor Curves using Mesor (M), amplitude (A) and acrophase/ peak (ϕ) of circadian, and other low and high frequency rhythms
6.	Computation of period (τ), phase angle (Ψ)
7.	Circadian changes in volume of nuclei in onion peel (<i>Allium cepa</i>) cells (microscopic observation)
8.	Observation of leaf movement of a plant on circadian and longitudinal time scales
9.	Periodogram, amount of activity and spectral analysis of rhythm data using TSA-Cosinor software
Recommended Books:	

M.Sc. Syllabi of Bioscience: 2020-2022

MJ Berridge	Biochemical oscillations and cellular rhythms. The molecular bases of periodic and chaotic behaviour
E Bunning	The physiological clock
FH Columbus	Trends in chronobiology
G Cornelissen & F Halberg	Introduction to chronobiology
JC Dunlap, JJ Loros & PJ DeCoursey	Chronobiology: Biological timekeeping
JC Hall	Genetics and molecular biology of rhythms in <i>Drosophila</i> and other insects
PJ Lumsden & AJ Millar	Biological rhythms and photoperiodism in plants
JD Palmer	The living clock
AK Pati	Chronobiology: The dimension of time in biology and medicine; PINSA (Biological Sciences), December 2001
AK Pati (Ed.)	Chronobiology
DS Saunders	An introduction to biological rhythms
B Thomas & D Vince-Prue	Photoperiodism in plants
V Kumar (Ed.)	Biological rhythms
MK Chandrashekar	Time in the Living World
AT Winfree	The Geometry of Biological Time
MC Moore, FM Sulzman, & CA Fuller	The clocks that time us, Harvard University Press, 1982
DS Saunders	Insect clocks, Pergamon, 2002

M.Sc. Bioscience	
Fourth Semester (January 2022 – June 2022)	
Paper III: Ethnobotany	
[Credit: 4 and Maximum Marks: 80]	
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words	
Unit-I	Ethnobotany Introduction, Concept, Scope and objectives; Ethnobotany as an interdisciplinary science. The relevance of Ethnobotany in the present context; major and minor ethnic groups or tribals of India and their life styles. Plants used by the tribals as: (a) Food plants (b) Intoxicants and Beverages (c) Resins, oils and miscellaneous uses.
Unit-II	Methodology of Ethnobotanical studies Field work: collection and confirmation of tribal information; its documentation; assessment of its valuation Herbarium: its role in confirmation of ethnic data; assessment of similarities of data across different habitats Ancient literature; Archaeo-ethnological findings; Sacred Grooves- their role in confirmation of ethnic data
Unit-III	Role of Ethnobotany in modern medicine Medico- Ethnobotanical sources in India Significance of the following plants in ethno botanical practices (alongwith their habitat

	and morphology) (a) <i>Saussurea costus</i> (b) <i>Arnebia benthami</i> (c) <i>Fritillaria roylei</i> (d) <i>Rheum webbianum</i> (e) <i>Tribulus terrestris</i> (f) <i>Aconitum heterophyllum</i> (g) <i>Digitalis purpurea</i> (h) <i>Indigofera heterantha</i> . Role of Ethnobotany in modern medicine with special examples a) <i>Digitalis purpurea</i> b) <i>Atropa acuminata</i> c) <i>Artemisia</i> sp. d) <i>Withania</i> sp. Role of ethnic groups in conservation of plant genetic resources. Endangered taxa and forest management (participatory forest management).
Unit-IV	Ethnobotany and legal aspects Ethnobotany as a tool to protect interests of ethnic groups. Sharing of wealth concept with few examples from India. Biopiracy, Intellectual property rights and traditional knowledge.
Lab Course:	
1	Investigation of Food plants used by tribes.
2	Investigation of plants used as Beverages by tribes.
3	Preparation of herbarium of ethnomedicinal plants.
4	Ethnomedicinal investigation on plants.
5	Gardening rare plant Species.

Recommended Books:

S.K. Jain	Manual of ethnobotany
S.K. Jain (ed.)	Glimpses of Indian Ethnobotany
S.K. Jain, (ed.)	Methods and approaches in ethnobotany
S.K. Jain	Contributions of Indian ethnobotany.
Colton C.M.	Ethnobotany- Principles and applications.
Rama R. N. and A.N. Henry	The ethnobotany of Eastern Ghats in Andhra Pradesh, India. Botanical Survey of India
Rajiv K. Sinha	Ethnobotany- the renaissance of traditional Herbal Medicine

M.Sc. Bioscience	
Fourth Semester (January 2022 – June 2022)	
Paper IV: Immunology [Credit: 4 and Maximum Marks: 80]	
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words	
Unit-I	Generation of diversity in BCR. Light and heavy chain gene recombination. Recombination Signal sequences. Class switching. Membrane and secreted immunoglobulins. Organization, arrangement of T-cell receptor genes and recombination. Regulation of immune response by antigen, antibody, immune complex, MHC and cytokines.
Unit-II	Immunoprophylaxis: Principles of Vaccination. Immunization practices. Vaccines against important bacterial and parasitic diseases. DNA vaccines; passive prophylactic measures. Viral vaccines and antiviral agents. Vaccination schedules and safety. Production of

	vaccines.
Unit-III	Diagnosis of microbial diseases - Collection, transport and preliminary processing of Clinical pathogens. Clinical, microbiological, immunological and molecular diagnosis of diseases. Principles of immunodiagnostics. Antigen-antibody based diagnosis and the techniques involved – Enzyme, Radio and Fluorescence Immuno assays, Immunoblotting, Flow cytometry. Effector cell assays, Cytotoxic assays. Isolation of pure antibody. Monoclonal & Designer antibody and their application in immunodiagnostics.
Unit-IV	Modern methods of microbial diagnosis. Use of nanotechnology in diagnosis. Synthesis of Nanomaterials, Nanoparticle based drug delivery, Toxicity and environmental risks of nanomaterials. Biosensors: Biosensor-development, types and characteristics, DNA biosensors, application of biosensors in clinical diagnostics: detection of infectious diseases, food pathogen and environmental monitoring.

Lab Course:

1.	Preparation of Parasite Antigen and analysis by PAGE
2.	Immunizations and production of antibody
3.	Antigen antibody reaction by Double Diffusion, Counter current and IEP, RID and EIA
4.	Western Blot Analysis
5.	Immunodiagnosis using commercial kits
6.	Identifications of nanomaterials using physical and chemical properties.
7.	Green and chemical route for synthesis of nanomaterials.
8.	Nanomaterial characterizations using UV-Vis and FT-IR spectroscopy.
9.	Assessment of antibacterial properties of nanomaterials.
10.	Identification of different analyte/ biomolecules for biosensing system.

Recommended Books:

RA Goldsby, TJ Kindt and BA Osborne	Kuby's Immunology
E Benjamini, R Coico and G Sunshine	Immunology-A short Course
Roitt, Brostoff and Male	Immunology
William Paul	Fundamentals of Immunology
Stewart Snell	Immunology, Immunopathology and Immunity
Elgert	Understanding Immune System
M. Wilson, K. Kannangara, G Smith, M. Simmons, B. Raguse	Nanotechnology: Basic science and Emerging technologies
G. Cao	Nanostructures and Nanomaterials: Synthesis, properties and applications
Challa S.S.R. Kumar	Nanomaterials for medical diagnosis and therapy
Charles P. Poole Jr. and Franks. J. Qwens	Introduction to Nanotechnology
C. M. Niemeyer, C. A. Mirkin (Editor)	Nanobiotechnology: Concepts, Applications and Perspectives

M.Sc. Bioscience
Fourth Semester (January 2022 – June 2022)
Paper IV: Applied Chronobiology [Credit: 4 and Maximum Marks: 80]

Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words	
Unit-I	Molecular mechanisms underlying clock functions in organisms: Autoregulatory transcriptional feedback loops; Circadian clock mutant types in <i>Drosophila</i> (<i>per</i> , <i>tim</i> , <i>dbt</i> , <i>dclock</i> , <i>cycle</i> , <i>vriille</i> , <i>pdf</i> , <i>lark</i> , <i>takeout</i>), <i>Neurospora</i> , cyanobacteria, mouse, and humans. Temporal expression pattern of clock genes, Regulation of expression of clock genes, Expression patterns under constant light and darkness; Autonomous functions of clock genes in peripheral tissues.
Unit-II	Human circadian organization: Methods to study human circadian rhythm; Free-running rhythms in humans, Constant routine protocol, and Forced desynchronization protocol. Chronotypes and its assessment methods. Marker rhythms in humans: Core body temperature (CBT), melatonin, and cortisol. Sleep-wake alertness and performance rhythms in humans.
Unit-III	Circadian rhythms and human health: Chronopharmacology; Basics of chronopharmacology – clinical chronopharmacology – circadian dependence of drug pharmacokinetics. Chronotherapy; Application of chronotherapy in treatment of cancer, cardiovascular diseases, allergies, asthma, and circadian rhythm sleep disorders (for example, DSPS and ASPS) & mood disorders (SAD).
Unit-IV	Circadian rhythms in occupational and travel stresses: Shift work; Types of shift system, direction and frequency of shift rotation, Effect on rhythm parameters, Desynchronization of circadian rhythm, Consequences on sleep, Psychosocial problems, Clinical and non-clinical problems. Shift work tolerance/ intolerance. Shift optimization: Nap, Bright light therapy, Melatonin therapy. Jet lag: Consequences of jet lag; direction asymmetry & variable asymmetry; Approaches to jet lag alleviation.
Lab Course:	
1.	Study of circadian rhythms in objective variables in human subjects using autorhythmometry technique.
2.	Study of circadian rhythms in subjective variables in human subjects using autorhythmometry technique.
3.	Chronotyping in human population.
4.	Study of circadian rhythm in the rest-activity of humans by using wrist actigraphy.
5.	Study of circadian rhythm in blood pressure of humans by using Ambulatory Blood Pressure Monitor.
6.	Circadian variations in RBC and WBC in suitable animal models.
7.	Circadian rhythm in cortisol and melatonin by ELISA.
8.	Computation of mid-sleep and social jetlag
9.	Observation of functional status of in-built alarm clock in humans.
Recommended Books:	
JC Dunlap, JJ Loros & PJ DeCoursey	Chronobiology: Biological timekeeping
JC Hall	Genetics and molecular biology of rhythms in <i>Drosophila</i> and other insects
WJM Hrushesky	Circadian cancer therapy
BG Katzung	Basic and clinical pharmacology
G Klein and P Becker	Farewell to the internal clock: a contribution in the field of Chronobiology
AK Pati	Chronobiology: The dimension of time in biology and medicine; PINSA (Biological Sciences), December 2001
AK Pati, Ed.	Chronobiology

TT Postolache	Sports Chronobiology: An issue of clinics in sports medicine
D Purves <i>et al.</i>	Molecular mechanisms of biological clocks
PH Redfern and B Lemmer	Physiology and pharmacology of biological rhythms
R Refinetti	Circadian Physiology
A Reinberg	Clinical chronopharmacology: Concepts, kinetics, applications
A Sehgal	Molecular biology of circadian rhythms
LE Scheving	Chronobiotechnology and chronobiological engineering
Y Touitou <i>et al.</i>	Handbook of medical chronobiology

M.Sc. Bioscience	
Fourth Semester (January 2022 – June 2022)	
Paper IV: Secondary Metabolites [Credit: 4 and Maximum Marks: 80]	
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words	
Unit-I	Introduction to secondary metabolites: Definition and systematic of secondary metabolites. Major classes of secondary metabolites i.e. alkaloids, terpenoids/ or isoprenoids, flavonoids and phenolics. Significance of secondary metabolites in plant's life. Roles in chemical defense system, taxonomical and ecological functions. Pharmacological and biological properties of secondary metabolites. Industrial and commercial significance of secondary metabolites
Unit-II	Biosynthesis and regulation of secondary metabolites: Biosynthesis of alkaloids derived from Shikimic acid pathway. Biosynthesis of isoprenoids via 3C-methyl-D-erythritol-4-phosphate (MEP) pathway. Biochemical pathways of flavonoids and polyphenol (lignin) biosynthesis. Integration of secondary metabolism with primary metabolic pathways. Regulation: Genetic, developmental, seasonal and geographical factors, roles of precursor feeding, metabolic channeling and compartmentalization. Cross-talk/exchange of intermediates between biochemical pathways. Use of specific enzyme inhibitors in regulation
Unit-III	Production of secondary metabolites: Methods of production of secondary metabolites: Tissue, organ and hairy root cultures. Roles of Endophytes in production of secondary metabolites. Production of secondary metabolites in bioreactors. Effects of precursors, co-factors and elicitors on production. Production of Taxol, Camptothecin, Berberine and rubber.
Unit-IV	Metabolic Engineering of secondary metabolic pathways: Cloning and characterization of enzymes of the Shikimate and MEP pathways. Functional genomics approaches for improvement of secondary metabolite production. Metabolic engineering of <i>Escherichia coli</i> and yeast for the production of flavonoids, terpenoids and alkaloids.
Lab Course:	
1	Isolation of essential oil and determination of the oil yield.
2	Qualitative test for determination of a- terpenoids

	b- alkaloids c- flavonoids d- saponins
3	Quantitative test for determination of: a- terpenoids b- alkaloids d- saponins e- phenolics
4	Determination of antimicrobial activity of the plant extracts.
5	Demonstration of hairy root culture for production of secondary metabolites
6	RNA extraction and gene expression of key enzymes of Biosynthesis of alkaloid; <i>Strictosidine Synthase [STR1]</i> , <i>Strictosidine glucosidase (SG)</i> , <i>Acetylmalan Esterase (AAE)</i> etc.

Recommended Books:

David S. Seigler	Plant Secondary Metabolism,
Alan Crozier	Plant Secondary Metabolites: Occurrence, Structure and Role in the Human Diet
Y. M. Shukla	Plant Secondary Metabolites
R. Verpoorte, A. W. Alfermann	Metabolic Engineering of Plant Secondary Metabolism.
Herbert, R.B.	The Biosynthesis of Secondary Metabolites
Fett-Neto, Arthur Germano (Ed.)	Biotechnology of Plant Secondary Metabolism Methods and Protocols
Keller, Nancy P., Turner,	Fungal Secondary Metabolism
Bell, E.A., Charlwood, B.V. (Eds.)	Secondary Plant Products
Petroski, Richard J., McCormick,	Secondary-Metabolite Biosynthesis and Metabolism
Susan P. (Eds.)	
Makkar, Harinder P.S., Sidhuraju,	Plant Secondary Metabolites
P., Becker, Klaus	

Pt. Ravishankar Shukla University, Raipur				
M. Sc. Biochemistry				
Scheme and Syllabi of Examination for SESSION 2020-2022				
July 2020 – December 2020				
First Semester		Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Cell Biology	80	20	4
II	Biomolecules	80	20	4
III	Microbiology	80	20	4
IV	Biology of Immune System	80	20	4
LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course II (Based on paper III & IV)	80	20	2
		Total	600	20
January 2021-June 2021				
Second Semester		Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Genetics and Molecular Biology	80	20	4
II	Bioenergetics & Metabolism	80	20	4
III	Instrumentation and Techniques	80	20	4
IV	Biometry, Computer and Scientometry	80	20	4
LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course II (Based on paper III & IV)	80	20	2
		Total	600	20
July 2021-December 2021				
Third Semester		Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Genetic Engineering	80	20	4
II	Plant Physiology and Biochemistry	80	20	4
III	Environmental Biochemistry	80	20	4
IV	Enzymology	80	20	4
LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course II (Based on paper III & IV)	80	20	2
		Total	600	20
January 2022-June 2022				
Fourth Semester		Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Plant Biotechnology	80	20	4
II	Nutraceuticals and Functional Foods	80	20	4
III ^a	Clinical Biochemistry / Molecular Endocrinology	80	20	4
IV ^a	Diagnostics & prophylaxis / Bioinformatics	80	20	4
^a = only one paper will be active				

LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course I (Based on paper III & IV)	80	20	2
	Total		600	20
	Grand Total		2400	Credit:80

Important Note:

Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.

Continuous evaluation of Performance*

Each student will be evaluated continuously throughout the semester. Each student will be required to submit a brief write-up (not more than 15-20 pages) on his/her poster/oral presentation.

Out of 20 marks allocated for internal Assessment for each paper

- 10 marks are to be assigned for class test.
- 5 marks are to be assigned for assignment/seminar presentation.
- 5 marks are to be assigned for attendance.

The marks for attendance shall be as follows:

(i)	More than 65% but less than 70%	1 Marks
(ii)	70% or more but less than 75%	2 Marks
(iii)	75% or more but less than 80%	3 Marks
(iv)	80% or more but less than 85%	4 Marks
(v)	85% and above	5 Marks

Scheme for Lab Course (for each Semester) Maximum Marks 100**External/Internal**

1-	Major exercise based on paper I	20
2-	Minor exercise based on paper I	10
3-	Major exercise based on paper II	20
4-	Minor exercise based on paper II	10
5-	Spotting/ Interpretation*	10
6-	Viva-voce	10

Internal

1-	Sessional	20
Total		100

- A student will be required to interpret on the displayed item/material

M. Sc. Biochemistry
FIRST SEMESTER (July 2020 – December 2020)
PAPER - I: CELL BIOLOGY
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I Molecular organization of membranes** - Asymmetrical organization of lipids, proteins and carbohydrates. Membrane transport: Passive transport, Osmosis, ion channels, membrane pumps and, Active transport: ATP-powered pumps-types, properties and mechanisms, electrical properties of membranes.
- UNIT-II Protein trafficking:** Transport of proteins into mitochondria, chloroplast, endoplasmic reticulum and nucleus [in and out]. Transport by vesicle formation: exocytosis, endocytosis and its molecular mechanism.
- UNIT-III Cell signaling:** Signaling via G-protein linked and enzyme linked cell surface receptors, MAP kinase pathways.
Eukaryotic cell division cycle: different phases and molecular events, regulation and control of cell cycle. Oncogenes: retinoblastoma, E2F and p53 proteins.
Apoptosis: regulation by CASPases and formation of apoptosome. Pro- and anti-apoptotic factors.
- UNIT-IV States of chromosomes during cell cycle.** Mitotic chromosome. Organization of genes in chromosomes. Banding pattern of chromosomes. Lampbrush and Polytene chromosomes. DNA packaging: Chromatin, nucleosomes, heterochromatin and euchromatin.

Lab Course:

1. Study of chromosome behaviour during Mitosis and meiosis (Onion / Garlic root tips, Onion buds, human lymphocytes, rat or bird testis /grass hopper testis or any other materials).
2. Calculation of mitotic index in growing Onion / Garlic root tips
3. Squash preparation: Polytene chromosome (in chironomus / Drosophila or other insect salivary gland) and Barr body (in buccal epithelial cells).
4. Demonstration of secretory granules in the salivary gland cells of insect.
5. Demonstration of mitochondria by vital staining.
6. Study of permanent slides.
7. Estimation of DNA
8. Estimation of RNA
9. Sub-cellular fractionation and marker enzymes
10. Identification of biomolecules in different tissues by histochemical techniques
11. Preparation of mitotic plate by carmine squashing method and phase identification.
12. Demonstration of the nuclear matrix networks in onion cells.
13. Study of the effect of chemical agents on chromosomes plant cells.
14. Isolation of protoplast, measurement of cell density plating efficiency.
15. Preparation of Karyotype of metaphase plate.
16. Preparation of Meiotic plate and determination of phases.
17. Computation of Chiasma frequency and Terminalization of phases.

18. Micrometry and Camera Lucida drawings.

Books Recommended:

H. Lodish, A. Berk, S L Zipursky, P. Matsudaira D. Baltimore, and James Darnell.	Molecular Cell Biology
B. Alberts, D. Bray, K. Hopkin, A. Johnson	Essential of Cell Biology
H. Lodish, A. Berk, C. A. Kaiser & M. Krieger	Molecular cell Biology
B. Alberts, A. Johnson, J. Lewis and M. Raff	Molecular Biology of the Cell
Gerald Karp	Cell and Molecular Biology Concepts and experiments

M. Sc. Biochemistry

FIRST SEMESTER (July 2020 – December 2020)

PAPER – II: Biomolecules

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Classification, structure and function of Carbohydrates, Lipid:
Carbohydrate: Monosaccharides, homo and hetero-polysaccharides, Peptidoglycan glycoproteins and liposaccharide.
Lipids: Simple; cholestrol and complex; phospholipids and TAG
- UNIT-II** Classification, structure and function of amino acids, Synthesis of peptldes, Proteins- properties, secondary, tertiary and quaternary structure of proteins, Ramchandran plot.
Nucleic Acid: Structure and function of Purine and pyrimidine, DNA-types, linking number, RNA-types.
- UNIT-III** Enzyme: apoenzymes, cofactors, coenzymes, active site, factors contributing to the catalytic efficiency of enzyme; enzyme kinetics- Michaelis-Menten equation, determination of Km, enzyme inhibition, allosteric enzymes, isoenzymes, multienzyme complexes
- UNIT-IV** Structure and biological role of: Porphyrins in biology, structure of hemoglobin and chlorophyll
Animal hormones: protein, peptide and steroid hormones.
Vitamins: fat and water soluble.

Lab Course:

1. Specific tests for sugars, amino acids and lipids
2. Formal titration of amino acids
3. Estimation of proteins using ninhydrin and biuret method
4. Estimation of sugar by anthrone and Folin-Wu method.
5. Saponification value and iodine number of fat.
6. Estimation of ascorbic acid.
7. Achromic point determination using salivary amylase
8. Effect of ions on salivary amylase activity.
9. Enzyme assay and kinetics (ex. Amylase, Protease)

Books Recommended:

Nelson, Cox and Lehninger

G. Zubay

Stryer

Garrett and Grosham

West, Tood, Mason & Bbruglen

White, Handler & Smith

D. Voet and J C Voet

Principles of Biochemistry

Biochemistry

Biochemistry

Biochemistry

Text book of biochemistry

Biochemistry-clinical application

Biochemistry

M. Sc. Biochemistry

FIRST SEMESTER (July 2020 – December 2020)

PAPER – III: Microbiology

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

UNIT-I General characteristics of fungi, classification of fungi, life cycle of selected fungal genus (*Aspergillus*, *Penicillium*, *Fusarium* and *Mucor*). Economic importance of fungi. Microbial association, parasitism, mutualism and symbiosis with plants and animals. Mycorrhiza, VAM. Algae: Distribution, classification, reproduction, ecology and importance.

UNIT-II Morphology and ultra-structure of bacteria: Morphological types, cell wall of archaebacteria, gram negative, gram positive eubacteria. Bacterial cell membranes – structure, composition and properties. Structure and function of flagella, cilia, pili, gas vesicles. Cyanobacteria, protozoa, mycoplasma and Rickettsia. Gene transfer mechanisms: transformation, transduction, conjugation and transfection. Plasmids and cosmid vector for gene cloning

UNIT-III Nutritional types (autotrophs, heterotrophs, phototrophs, chemotrophs), growth curves, measurement of growth, factors affecting growth, generation time, growth kinetics. Batch and continuous culture, Basis of microbial classification, classification and salient feature of bacteria according to Bergey's manual of determinative bacteriology.

UNIT-IV Viruses: Structure and classification; General concepts: Viral genome, capsids, envelopes, viroids and prions). Virus reproductions: Lysogeny and Lytic phase, Bacteriophages and their types. Introduction to Plant and animal viruses (TMV, HIV, Hepatitis virus, H1N1 virus, Small Pox virus and Ebola virus), Route of transmission of viruses, Laboratory diagnosis and treatment, Antiviral therapy

Lab Course:

1. Glassware preparation and sterilization techniques- wet heat- dry heat- filter types- laminar flow chamber types- CDC- safety levels.
2. Preparation of liquid & solid media, plating, pouring, inoculation and incubation for growth of microorganism
3. Methods of obtaining pure culture of microorganisms (a) streak plate (b) Pour plate, and (c) spread plate methods
4. Identification and Microscopic examination of the microorganisms.
5. Motility of bacteria by hanging drop technique.
6. Bacterial DNA isolation from *E-coli* culture.
7. Grams' staining for Gram positive and Gram's negative Bacteria.
8. Study of bacterial growth by turbidimetry/ spectrophotometry

9. Isolation and enumeration of microorganisms from soil by serial dilution agar plating method.
10. Enumeration of viruses by plaque assay technique.

Books Recommended:

Microbiology	L.M. Prescott, J.P. Harley and D.A. Klein
General Microbiology	RY Stanier, J L Ingrahamana, ML Wheelis & P. R. Painter
Principles of Microbiology	R.M. Atlas
Microbiology	Peleczer, Chan & Krieg.
General Virology	Luria, Darnell, Baltimore and Campell.
Introduction to Mycology	CJ Alexopoulos and CW Mims
Principles of Virology: Molecular	S. J. Flint, V. R. Racaniello, L. W. Enquist,
Biology, Pathogenesis, and	V. R. Rancaniello, A. M. Skalka
Control of Animal Viruses	

M. Sc. Biochemistry
FIRST SEMESTER (July 2020 – December 2020)
PAPER – IV: Biology of Immune System
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Innate immune mechanism and characteristics of adaptive immune response. Cells of immune system: Hematopoiesis and differentiation, mononuclear cells and granulocytes, antigen presenting cells.
Primary and Secondary lymphoid organs and tissues.
Ontogeny and phylogeny of lymphocytes. Lymphocyte traffic.
- UNIT-II** Antigen receptor molecules: B-cell receptor complex, Immunoglobulin- structure, types and function. T-cell receptor complex. Major Histocompatibility Complex- types, structural organization, function and distribution. Transplantation and Rejection. Complement system.
- UNIT-III** Antigens: nature of antigens, factor affecting immunogenicity, Haptens and super antigens. Antigenic determinants. Recognition of antigens by T and B cell.
Antigen processing. Role of MHC molecules in antigen presentation and co-stimulatory signals. Antigen and antibody interaction.
- UNIT-IV** Cell mediated immune response. Cytokines and interleukins- structure and function. Immunity to infections. Hypersensitive reactions and their types.
Immunodeficiency disorders. Autoimmunity and autoimmune disorder. Immunological tolerance.

Lab Course:

1. Identification of cells of immune system
2. Separation of mononuclear cells by Ficoll-Hypaque

3. Identification of Lymphocytes and their subsets
4. Lymphoid organs and their microscopic organization
5. Isolation and purification of Antigens
6. Purification of IgG from serum
7. Estimation of Levels of gamma globulins and A/G ratio in blood
8. Antigen antibody interaction

Books Recommended:

Kuby's Immunology	R.A. Goldsby, T. J Kindt and B. A. Osborne
Immunology- A short Course	E. Benjamini, R. Coico and G. Sunshine
Immunology	Roitt, Brostoff and Male
Fundamentals of Immunology	William Paul
Immunology	Tizard
Immunology	Abbas et al

M. Sc. Biochemistry

SECOND SEMESTER (January 2021 – June 2021)

PAPER – I: Genetics and Molecular Biology

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Gene mapping methods: Linkage maps, tetrad analysis, mapping with molecular markers, mapping by using somatic cell hybrids, development of mapping population in plants, complementation analysis.
Mutation: Types, mutagens and detection.
Mutant types – lethal, conditional, biochemical, loss of function, gain-of-function, germinal verses somatic mutants, insertional mutagenesis.
- UNIT-II** DNA replication in eukaryotes and prokaryotes : enzymes involved, replication origin and replication fork, fidelity of replication, extrachromosomal replicons.
DNA damage and repair mechanisms: Repair of Base-excision, Nucleotide excisions, Mismatch and Double Strand. p_{53} and p_{21} .
- UNIT-III** RNA synthesis and processing: enzymes involved, formation of initiation complex, transcription activator and repressor, elongation, and termination, RNA processing, capping, RNA editing, splicing, and polyadenylation, RNA transport.
- UNIT-IV** Protein synthesis and processing: Ribosome, formation of initiation complex, initiation factors, elongation and elongation factors and their regulation, termination.
Aminoacylation of tRNA, tRNA-identity, aminoacyl tRNA synthetase, and translational proof-reading, translational inhibitors.
Post Translational modification of proteins.

Lab Course:

1. Isolation, purification and estimation of RNA
2. Isolation, purification and estimation of DNA
3. Determination of T_m of nucleic acid

4. Fraction of poly (A) RNA
5. Restriction Mapping
6. Restriction Digestion
7. Ligation
8. DNA molecular size determination

Books Recommended:

Molecular Cell Biology	H. Lodish, A. Berk, SL Zipursky, P. Matsudaira, D. Baltimore, and James Darnell.
Essential Cell Biology	B. Alberts, D. Bray, K. Hopkin and A. Johnson
Molecular Biology of the Cell	B. Alberts, A. Johnson, J. Lewis and M. Raff
Cell and Molecular Biology : Concepts and experiments	Gerald Karp
Molecular Biology of the Gene	JD Watson et al.
Molecular Biology of the Cell The Problems	John Wilson, Tim Hunt
Molecular Biology of the Cell	Bruce Albert's, Alexander Johnson, Julian Lewis, Martin Raff, Keith Roberts, Peter Walter
Genes VIII	Benjamin Lewin

M. Sc. Biochemistry

SECOND SEMESTER (January 2021 – June 2021)

PAPER – II: Bioenergetics & Metabolism

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** First and second laws of thermodynamics. Gibbs free energy G , free energy change ΔG , endergonic & exergonic reactions. Standard state free energy changes- ΔG , ΔG^0 and $\Delta G'^0$, Relationship between equilibrium constant and $\Delta G'^0$, Feasibility of reactions. ATP-Structure, properties and energy currency of the cell, Importance of Coupled reactions, other high energy compounds.
- UNIT-II** Carbohydrate metabolism: Glycolysis, Kreb's cycle, glycogenolysis, glycogenesis, pentose phosphate pathway, gluconeogenesis, and glyoxylate pathway. Regulation of carbohydrate metabolism.
- UNIT-III** Electron transport and oxidation phosphorylation: electron carriers, complexes I to IV, substrate level phosphorylation, mechanism of oxidative phosphorylation. Shuttle system for entry of electron.
Biosynthesis and degradation of Lipids. Regulation of lipid metabolism
- UNIT-IV** Nitrogen Assimilation: Overview of Nitrogen in biosphere and uptake by organism.
Biosynthesis and degradation of amino acids. Regulation of amino acid metabolism
Biosynthesis and degradation of purine and pyrimidine nucleotides.

Lab Course:

1. Protein estimation by Lowry, Bradford and Spectrophotometric method
2. Estimation blood cholesterol
3. Estimation of sugar by Nelson- Somagy and Benedict's reagent
4. Isolation and estimation of lipid from seeds and egg.
5. Estimation of inorganic and total phosphorus by Fiske-Subba Rao method
6. Assay of phosphatases in blood and seeds
7. Urease estimation in plant tissues

Books Recommended:

Principles of Biochemistry	Nelson, Cox and Lehninger
Biochemistry	G. Zubay
Biochemistry	Stryer
Biochemistry	Garrett and Grosham
Text book of biochemistry	West, Tood, Mason & Bbruglen
Biochemistry	White,Handler & Smith
Biochemistry with clinical application	D. Voet and J C Voet
Enzymes	Dixon and Webb
Fundamentals of Enzymology	Price and Steven
Practical biochemistry	Plummer
Enzyme biotechnology	G. Tripathi
Enzyme Reaction Mechanism	Walsh
Enzyme catalysis and regulation	Hammes

M. Sc. Biochemistry

SECOND SEMESTER (January 2021 – June 2021)

PAPER- III: Instrumentation and Techniques

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Centrifugation: Principle, techniques. Preparative, analytical and ultracentrifuges, sedimentation coefficient and factors affecting sedimentation coefficient. Application of centrifugation.
Photometry: Basic principles of colorimetry, UV- visible spectrophotometry & IR- spectrophotometry. Spectroflurometry
Atomic absorption spectroscopy: Principle, Instrumentation and applications
- UNIT-II** Microscopic techniques: light microscopy, phase-contrast microscopy, scanning and transmission electron microscopy, different fixation and staining techniques for EM, freeze-etch and freeze-fracture methods for EM, image processing methods in microscopy.
- UNIT-III** Chromatography: Paper and Thin Layer Chromatography. Gel filtration, Ion exchange and Affinity chromatography. GLC and HPLC.

Histochemical and immunohistotechniques: Detection of molecules using immunoprecipitation, EIA, RIA and FIA.

UNIT-IV Electrophoresis: Agarose, PAGE, 2D-E.

Radioactivity: GM counter, liquid Scintillation counter, solid Scintillation counter, gamma counters.

Lyophilization: Principle, instrumentation and applications.

Microtomy: types, principle and applications

Lab Course:

- Verification of Beers Law
- Determination of absorption maxima
- Quantitative determination, Enzyme kinetics
- Amino acid and carbohydrate separation by paper and TLC
- Ion exchange and gel filtration chromatography
- SDS Polyacralamide Gel Electrophoresis
- Isoenzymes
- Separation of sub-cellular organelles by differential centrifugation.
- Isolation of DNA and Agarose gel Electrophoresis

Books Recommended:

K Wilson and John Walker RF Boyer	Practical Biochemistry: Principles & Techniques Biochemistry Laboratory: Modern Theory & Techniques
S Carson, H Miller and D Scott	Molecular Biology Techniques: A Classroom Laboratory Manual
TC Ford and J. M. Graham	An Introduction to Centrifugation
R Baserga and D Malamud T Chard	Autoradiography: techniques and application An Introduction to Radioimmunoassay and Related Techniques , Volume 6
TA Jennings	Lyophilization: Introduction and Basic Principles
James M. Miller	Chromatography: Concepts and Contrasts
LR Synder, JJ Kirkland and JL Glajch	Practical HPLC Method Development, 2nd Edition
Anna Pratima Nikalje & D. Bhosale	A Handbook of Chromatography
Mark F. Vitha	Chromatography: Principles and Instrumentation
AGE Pearse	Histology and Histochemical methods
PA Midgley	The principles of microscopy
DB Murphy & MW Davidson	Fundamentals of Light Microscopy and Electronic Imaging, Second Edition
IW Watt	The Principles and Practice of Electron Microscopy
RF Egerton	Physical Principles of Electron Microscopy An Introduction to TEM, SEM, and AEM
P Haselet, G-W Oetjen	Freeze-Drying, 3rd Edition
EC Clayden	Practical Section Cutting and Staining
T Chandak, M Chaudhary & V Chandak	Microtomy: Microtome and its applications
Simon Renshaw	Immunohistochemistry and Immunocytochemistry: Essential Methods, Second Edition
IB Buchwalow & W Bocker	Immunohistochemistry: Basics and Methods
JB Birks	The Theory and Practice of Scintillation Counting

M. Sc. Biochemistry
SECOND SEMESTER (January 2021 – June 2021)
PAPER- IV: BIOMETRY, COMPUTER AND SCIENTOMETRY
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- Unit-I** Introduction to biostatistics. Types of biological data: data on different scales. Frequency distributions. Cumulative frequency distributions. Random sampling. Parameters and statistics. Measures of central tendency and dispersion: Mean, Median, Mode, Range, Variance and Standard deviation. Coefficient of variation. The effects of coding data. Data transformations: Log-transformation, Square-root transformation and Arcsine transformation. Distribution: normal & binomial. Probability: Basic laws of probability, addition law, multiplication law. Probability and frequency.
- Unit-II** Statistical errors in hypothesis testing. Testing goodness of fit: Chi-square goodness of fit. Heterogeneity Chi-square. The 2 x 2 contingency table. One sample hypothesis. Two-sample hypothesis. Testing for difference between two means (t-test). Testing for difference between two variances (F-test). The paired sample t-test. Multiple-sample hypothesis (ANOVA): Single factor and two factors ANOVA. Multiple comparisons: Duncan's multiple-range tests. Simple linear regression. Regression vs. Correlation. Regression equation. Interpretations of regression functions. Simple linear correlation. The correlation coefficient.
- Unit-III** Introduction to MS-Office software: Word processing; creating new document, editing documents, adding graphics to documents, Word tables. Management of Workbook & Worksheets; Applications, Features, Using formulas and functions, Features for Statistical data analysis, Excel ToolPak for data analysis, Generating charts/ graph. Presentation software; Working in PowerPoint, Creating new presentation, working with slides.
- Unit-IV** Introduction to Internet and Applications. Basics of internet, e-mailing, Search engine – Google and Yahoo; Pub med, Scopus, Web of Science, Google Scholar, Indian Citation Index, Science Citation Index (SCI), h-index, i-10-index. Journal Impact Factor (JIF). Introduction to Plagiarism and Cyber laws.

Lab Course:

1. Exercises for data distribution
2. Exercises for computation of measures of central tendency
3. Exercises for computation of measures of variability
4. Computation of correlation coefficient, r , and regression constants
5. Data analysis by ANOVA and multiple-range tests
6. Hypothesis testing by t-test, F-test, and Chi-square test
7. Graphical presentation of data using a suitable package
8. Statistical analysis of a data using a suitable package

9. Preparation of document using a suitable package
10. Preparation of slides using a suitable package
11. Hands-on-practice for finding indices [SCI, h-index, i-10 index] of articles using relevant database

Books Recommended:

Campbell RC	Statistics for biologists
Zar JH	Biostatistical Analysis
Wardlaw AC	Practical Statistics for Experimental Biologists
Snedecor GW & Cochran WG	Statistical Methods
Sokal RR & Rohlf FJ	Introduction to Biostatistics
Sumner M	Computers: Concepts & Uses
White R	How Computers Work
Cassel P et al.	Inside Microsoft Office Professional
Coleman P and Dyson P	Mastering Internets
Gralla P	How the Internet Works
Shelly GB, Vermaat ME,	Microsoft 2007: Introductory Concepts & Techniques
Cashman TJ	
Habraken J	Microsoft Office 2003 All in One
	Microsoft Office 2010 In Depth
Gilmore B	Plagiarism: Why it happens, How to prevent it?
Buranen L & Roy AM	Perspectives on Plagiarism & Intellectual Property in a Post-Modern World
Kumar Anupa P	Cyber Law
Sood V	Cyber Law Simplified

M. Sc. Biochemistry

THIRD SEMESTER (July 2021 – December 2021)

PAPER – I: Genetic Engineering

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

UNIT-I Molecular tools and their applications: restriction enzymes, modification enzymes.
Molecular techniques: gel electrophoresis, polymerase chain reaction, DNA sequencing, DNA microarray. Hybridization techniques: western blot, northern blot, southern blot.

UNIT-II Gene cloning vectors: plasmids, lambda phage as vector, M13 phage as vector, cosmids, artificial chromosomes (BAC, PAC, YAC).
Library: 1. Genomic library: genomic DNA library construction and screening methods. 2. cDNA library: cDNA library construction and screening.
Study of gene regulation: reporter assays.
Expression strategies for heterologous genes: vector engineering and codon optimization, host engineering, in vitro transcription and translation.

UNIT-III Processing of recombinant proteins: recombinant proteins purification, refolding, characterization and stabilization, Applications of recombinant proteins
Protein engineering; Site directed mutagenesis, Random mutagenesis and applications, Gene knockout technique

UNIT-IV **Molecular Markers:** Mitochondrial markers: Ribosomal RNA (rRNA) genes; 12S rDNA and 16S rDNA; protein coding genes; cytochrome b (cyt b), , NADH dehydrogenase subunit 5, cytochrome oxidase [DNA barcoding]

Chloroplast Markers: *psbA-trnH*, *matK-trnK*, *ycf3-trnS*, *matK*, and *ycf1* [DNA barcoding].

Nuclear markers: RFLP, RAPD, AFLP, SSR, STS (Sequence Tagged Strands), microsatellites, SCAR (Sequence characterized amplified regions), SNP, SSCP (Single strand conformational polymorphism), DArT.

Lab Course:

1. Bacterial culture and antibiotic selection media. Preparation of competent cells
2. Isolation of plasmid DNA.
3. Isolation of Lambda phage DNA.
4. Quantitation of nucleic acids.
5. Agarose gel electrophoresis and restriction mapping of DNA.
6. Construction of restriction map of plasmid DNA.
7. Cloning in plasmid/phagemid vectors.
8. Isolation of RNA.
9. Synthesis of cDNA.
10. RAPD analysis by PCR.

Books Recommended:

Genes VIII	Benjamin Lewin
An Introduction to Genetic Engineering	DST Nicholl
Principles of Gene Manipulation and Genomics	SB Primrose and Richard
Gene Cloning and Manipulation	CJ Howe
Genetic Engineering (Genetics and Evolution)	R Hodge
Introduction to Biotechnology & Genetic Engineering	AJ Nair
Genetic Engineering	A Kumar & N Garg
Biotechnology & Genetic Engineering	L Yount
DNA Microarrays & Gene Expression: from Experiments to Data Analysis and Modeling	P Baldi & G Wesley
DNA Sequencing (Intro. to Biotechniques)	L Alphey
Plant transformation Technologies	CN Stewart, A Touraev, V Citovsky & T Tzfira
Application of Plant Biotechnology: In vitro Propagation, Plant Transformation and Secondary Metabolite Production	A Kumar and SK Sopory
Genetic Transformation of Plants	JF Jackson & HF Linskens
Transgenic Plants: Methods & Protocols	L Pena

M. Sc. Biochemistry

THIRD SEMESTER (July 2021 – December 2021)

PAPER- II: Plant Physiology and Biochemistry

[Credit: 4 and Maximum Marks: 80]

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has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Sensory photobiology - Structure, function and mechanisms of action of phytochromes, cryptochromes and phototropins; stomatal movement; photoperiodism and biological clocks. Organization of shoot and root apical meristem; shoot and root development
- UNIT-II** Photosynthesis: Light absorption and energy conversion, photosystems I and II, ATP synthesis, Assimilation of carbon in C_3 , C_4 and CAM pathways, Photorespiration
- UNIT-III** Phytohormones: Structure, biosynthesis, molecular mechanisms of Auxin, Gibberellins, Cytokinin, Absciscic acid and Ethylene, Brassinosteroids.
- UNIT-IV** Senescence and Programmed cell death: Senescence; Metabolism and regulation of pigment and nucleic acid, PGR regulation, SAG. PCD; Formation of TE and mobilization of cereal endosperm, Formation of aerenchyma. Signal transduction and PCD

Lab Course:

1. Spectrophotometric determination of chlorophyll-a, chlorophyll-b and total chlorophyll in young, mature and senescent leaves.
2. Kinetin estimation by cucumber cotyledons expansion bioassay.
3. Auxin bioassay using wheat coleoptiles.
4. GA bioassay by inducing *de-novo* synthesis of Amylase in de-embryonated seeds of wheat.
5. Estimation of mono, di and total phenols in the young and aged leaves.
6. Estimation of Guaiacol peroxidase activity in fresh and aged seeds.
7. Determination of Superoxide dismutase levels in the healthy and deteriorated seeds.
8. Estimation of metal toxicity induced changes in the AOS levels in leaf tissues.
9. Determination of Nitrate reductase activity in leaf tissues.
10. Separation of isozymes of SOD and GPX.

Books Recommended:

Fosket DF	Plant Growth & Development
Foyer CH	Photosynthesis
Bacon KE	Photosynthesis: Photobiochem. & Photobiophysics
Leopold AC & Kriedemann PE	Plant Growth & Development
Moore TC	Biochemistry & Physiology of Hormones
L Taiz & E Zeiger	Plant Physiology
BB Buchanan, W Gruissem & RL Jones	Biochemistry and Molecular Biology of Plants
MB Wilkins	Advanced Plant Physiology
JA Hopkins	Introduction to Plant Physiology
FB Salisbury & CW Ross	Plant Physiology
Hans-Walter Heldt	Plant Biochemistry & Molecular Biology

M. Sc. Biochemistry
THIRD SEMESTER (July 2021 – December 2021)
PAPER- III: Environmental Biochemistry
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to

be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Environmental Pollution: Major types. Outdoor and indoor air pollution, structure, sources, health effects and control strategies; water pollution, soil contamination, noise pollution and electromagnetic radiations: Sources, health effects and control strategies.
- UNIT II** Definition and scope of toxicology: Eco-toxicology and its environmental significance. Toxicity: Types, Acute and chronic exposures; toxicants and their classification. Health effects of toxic substances, Dose Response relationships; synergism and antagonism, determination of ED_{50} , LD_{50} , factors influencing toxicity. Toxicity testing – Test control, genetic toxicity testing.
- UNIT III** Biochemical basis of toxicity: Mechanisms of Toxicity, disturbance of excitable membrane function, altered calcium homeostasis. Covalent binding to cellular macromolecules and genotoxicity. Tissue specificity of toxicity. Xenobiotic metabolism: Phase I reaction – oxidation – reduction, hydrolysis and hydration. Phase II reaction – conjugation and methylation.
- UNIT- IV** Pesticide toxicity: Insecticides, fungicides, herbicides and biopesticides; Toxicology of food additives; Metal toxicity : arsenic, mercury, lead, cadmium and fluoride. Occupational hazards and risk assessment.

Lab Course:

1. Estimation of toxicants like fluoride and heavy metals in air, water and food.
2. Estimation of fluoride in human urine
3. Exposure of fishes to various concentrations of toxicants and assessment of their toxic effects by -
 - a. Determination of percent mortality, LC 50 and LD50.
 - b. Determination of Bioconcentration Factor (BCF) of toxicants
 - c. Effect of various toxicants on serum enzymes, such as ASAT, ALAT, GPX, SOD, CAT and proteins
 - d. Demonstration of genotoxic effects of toxicants - Comet Assay and Micronuclease assay

Books Recommended:

LG Corkerhem & BSS Shane
DA Valler
SVS Rana
Ming Ho Yu

DW Sparling

Basic Environmental Toxicology
Environmental Contaminants: Assessment and Control
Environmental Pollution: Health and Toxicology
Environmental Toxicology: Biological and health effects of pollutants
Basics of Ecotoxicology

M. Sc. Biochemistry
THIRD SEMESTER (July 2021 – December 2021)
PAPER - IV: Enzymology
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

UNIT-I General properties and effects of pH, substrate and temperature on enzyme catalyzed reactions.

Kinetics of catalyzed reaction: Single substrate reactions, bisubstrate reactions, concept of Michaelis - Menten, Briggs Haldane relationship, Determination and significance of kinetic constants, Limitations of Michaelis-Menten Kinetics, Concept of convergent and divergent evolution of enzyme.

UNIT-II Enzyme Turnover and methods employed to measure turnover of enzymes, significance of enzyme turnover.

Multienzyme system : occurrence, their properties , mechanism of action & regulation; Pyruvate dehydrogenase complex, fatty acid synthetase complexes.

Mechanism of action of lysozyme, chymotrypsin, carboxypeptidase and DNA polymease

UNIT-III General mechanisms of enzyme regulation

Allosteric enzymes, sigmoidal kinetics and their physiological significance, symmetrical and sequential modes for action of allosteric enzymes and their significance.

Water soluble enzymes and their coenzymes. Metallo enzymes.

Immobilized enzymes and their industrial applications.

UNIT-IV Enzymes of Industrial Importance; their source, characteristic properties, functions and uses.

Enzymes used in leather, paper, textile industries.

Enzymes in baking, brewing, Alcohol products; enzymes in detergents, starch and animal feeds.

Amylases, cellulases, catalase, pectinase, lipase, protease, xylanase, laccase, beta glucanase

Lab Course:

1. Estimation of enzymes
2. Separation, purification of sub-cellular organelles & assay of marker enzymes.
3. Methods of purification of an enzyme - ion-exchange, gel filtration
4. Test of homogeneity by SDS-PAGE
5. Kinetics of an enzymatic reaction
6. Effect of various toxicants on serum enzymes and proteins
7. Enzyme modeling: Validation Criteria by WHATIF, Verify3d, PROSA and DOPE score
8. Verification of Ramachandran Plot: Estimation of interaction energy per residue

- by PROSA and Verify3D.
10. Enzyme packing quality: Assessed by WHATIF.

Books Recommended:

Brandon and Toozee	Introduction to Protein Structure
Campbell	Discovering Genomics, Proteomics and Bioinformatics,
Dan Gusfield	Algorithms on Strings Trees and Sequences
Lesk, A.M	Introduction to Protein Architecture
Mcperson, A.	Introduction of Molecular Crystallography
Pennington	Proteomics from Protein Sequence to Function
Durbin, Eddy, Anders & Graeme	Biological Seq. Analysis: Probabilistic Models of Proteins & Nucleic Acids
S.A. Bbernhard	The structure and function of enzymes
J. Palmer	Enzymes: biochemistry, Biotechnology, Clinical chemistry
M Dixon, EC Webb, CJR Thorne & KF Tipton	Enzymes
Alan Fersht	Enzyme structure and Mechanism
Christopher Walsh	Enzymatic reaction mechanism
Eisenthal and Danson	Enzyme Assay: A Practical Approach
M. Stipanuk	Biochemical, Phys. & Mol. Aspects of Human Nutrition
G.P. Talwar	Text book of Biochemistry and Human Biology

M. Sc. Biochemistry

FOURTH SEMESTER (January 2022 – June 2022)

PAPER – I: Plant Biotechnology

[Credit: 4 and Maximum Marks: 80]

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UNIT-I Introduction to cell and tissue culture: Tissue culture media (composition and preparation), explant preparation, Callus and suspension culture, cytodifferentiation and organogenic differentiation, somatic embryogenesis, micropropagation.
Shoot tip culture: Rapid clonal propagation and production of virus free plant.

UNIT-II Embryo culture and embryo rescue.
Anther, pollen and ovary culture for production of haploid plants & homozygous lines.
Protoplast isolation, culture and fusion; selection of hybrid cells and regeneration of hybrid plants; symmetric and asymmetric hybrids, cybrids.
Germplasm conservation: Cryopreservation & slow growth cultures.
Chloroplast Transformation: Advantages, vectors, success; tobacco & potato.

UNIT-III Plant transformation technology: Plant transformation technology: basis of tumor formation, hairy root, features of Ti and Ri plasmids, mechanism of DNA transfer, role of virulence genes,

Pt. Ravishankar Shukla University, Raipur				
M. Sc. Microbiology				
Scheme and Syllabi of Examination for SESSION 2020-2022				
July 2020 – December 2020				
	First Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Cell Biology	80	20	4
II	Biomolecules	80	20	4
III	Microbiology	80	20	4
IV	Biology of Immune System	80	20	4
LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course II (Based on paper III & IV)	80	20	2
		Total	600	20
January 2021-June 2021				
	Second Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Genetics and Molecular Biology	80	20	4
II	Bioenergetics & Metabolism	80	20	4
III	Instrumentation and Techniques	80	20	4
IV	Biometry, Computer and Scientometry	80	20	4
LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course II (Based on paper III & IV)	80	20	2
		Total	600	20
July 2021-December 2021				
	Third Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Microbial Physiology	80	20	4
II	Fermentation Technology	80	20	4
III	Environmental Microbiology	80	20	4
IV	Medical Microbiology	80	20	4
LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course II (Based on paper III & IV)	80	20	2
		Total	600	20
January 2022-June 2022				
	Fourth Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Microbial Biotechnology	80	20	4
II	Advanced Immunology, Prophylaxis and Diagnostics	80	20	4
III ^a	Food Microbiology/ Microbial Ecology	80	20	4
IV ^a	Agricultural Microbiology/ Industrial Microbiology	80	20	4
LC-I	Lab Course I (Based on paper I & II)	80	20	2

^a = Only one paper will be active.

Syllabi of M. Sc. Microbiology: 2020-2022

LC-II	Lab Course I (Based on paper III & IV)	80	20	2
		Total	600	20
		Grand Total	2400	Credit:80

Important Note:

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Continuous evaluation of Performance*

Each student will be evaluated continuously throughout the semester. Each student will be required to submit a brief write-up (not more than 15-20 pages) on his/her poster/oral presentation.

Out of 20 marks allocated for internal Assessment for each paper

- 10 marks are to be assigned for class test.
- 5 marks are to be assigned for assignment/seminar presentation.
- 5 marks are to be assigned for attendance.

The marks for attendance shall be as follows:

(i)	More than 65% but less than 70%	1 Marks
(ii)	70% or more but less than 75%	2 Marks
(iii)	75% or more but less than 80%	3 Marks
(iv)	80% or more but less than 85%	4 Marks
(v)	85% and above	5 Marks

Scheme for Lab Course (for each Semester) Maximum Marks 100

External/Internal

1- Major exercise based on paper I	20
2- Minor exercise based on paper I	10
3- Major exercise based on paper II	20
4- Minor exercise based on paper II	10
5- Spotting/ Interpretation•	10
6- Viva-voce	10

Internal

1- Sessional	20
Total	100

- A student will be required to interpret on the displayed item/material

M. Sc. Microbiology
FIRST SEMESTER (July 2020 – December 2020)
PAPER - I: CELL BIOLOGY
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Molecular organization of membranes - Asymmetrical organization of lipids, proteins and carbohydrates. Membrane transport: Passive transport, Osmosis, ion channels, membrane pumps and, Active transport: ATP-powered pumps-types, properties and mechanisms, electrical properties of membranes.
- UNIT-II** **Protein trafficking:** Transport of proteins into mitochondria, chloroplast, endoplasmic reticulum and nucleus [in and out]. Transport by vesicle formation: exocytosis, endocytosis and its molecular mechanism.
- UNIT-III** Cell signaling: Signaling via G-protein linked and enzyme linked cell surface receptors, MAP kinase pathways.
Eukaryotic cell division cycle: different phases and molecular events, regulation and control of cell cycle. Oncogenes: retinoblastoma, E2F and p53 proteins.
Apoptosis: regulation by CASPases and formation of apoptosome. Pro- and anti-apoptotic factors.
- UNIT-IV** States of chromosomes during cell cycle. Mitotic chromosome. Organization of genes in chromosomes. Banding pattern of chromosomes. Lampbrush and Polytene chromosomes. DNA packaging: Chromatin, nucleosomes, heterochromatin and euchromatin.

Lab Course:

1. Study of chromosome behaviour during Mitosis and meiosis (Onion / Garlic root tips, Onion buds, human lymphocytes, rat or bird testis / grass hopper testis or any other materials).
2. Calculation of mitotic index in growing Onion / Garlic root tips
3. Squash preparation: Polytene chromosome (in chironomus / Drosophila or other insect salivary gland) and Barr body (in buccal epithelial cells).
4. Demonstration of secretory granules in the salivary gland cells of insect.
5. Demonstration of mitochondria by vital staining.
6. Study of permanent slides.
7. Estimation of DNA
8. Estimation of RNA
9. Sub-cellular fractionation and marker enzymes
10. Identification of biomolecules in different tissues by histochemical techniques
11. Preparation of mitotic plate by carmine squashing method and phase identification.
12. Demonstration of the nuclear matrix networks in onion cells.
13. Study of the effect of chemical agents on chromosomes plant cells.
14. Isolation of protoplast, measurement of cell density plating efficiency.
15. Preparation of Karyotype of metaphase plate.
16. Preparation of Meiotic plate and determination of phases.
17. Computation of Chiasma frequency and Terminalization of phases.
18. Micrometry and Camera Lucida drawings.

Books Recommended:

H. Lodish, A. Berk, S L Zipursky, P. Matsudaira D. Baltimore, and James Darnell.	Molecular Cell Biology
B. Alberts, D. Bray, K. Hopkin, A. Johnson	Essential of Cell Biology
H. Lodish, A. Berk, C. A. Kaiser & M. Krieger	Molecular cell Biology
B. Alberts, A. Johnson, J. Lewis and M. Raff	Molecular Biology of the Cell
G. Karp	Cell and Molecular Biology Concepts and experiments

M. Sc. Microbiology

FIRST SEMESTER (July 2020 – December 2020)

PAPER – II: Biomolecules

[Credit: 4 and Maximum Marks: 80]

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- UNIT-I** Classification, structure and function of Carbohydrates, Lipid:
Carbohydrate: Monosaccharides, homo and hetero-polysaccharides, Peptidoglycan glycoproteins and liposaccharide.
Lipids: Simple; cholesterol and complex; phospholipids and TAG
-
- UNIT-II** Classification, structure and functions of amino acids, Synthesis of peptides, Proteins-properties, secondary, tertiary and quaternary structure of proteins, Ramchandran plot.
Nucleic Acid: Structure and functions of Purine and pyrimidine, DNA-types, linking number, RNA-types.
- UNIT-III** Enzyme: apoenzymes, cofactors, coenzymes, active site, factors contributing to the catalytic efficiency of enzyme; enzyme kinetics- Michaelis-Menten equation, determination of K_m , enzyme inhibition, allosteric enzymes, isoenzymes, multienzyme complexes
- UNIT-IV** Structure and biological role of:
Porphyrins in biology, structure of hemoglobin and chlorophyll
Animal hormones: protein, peptide and steroid hormones.
Vitamins: fat and water soluble.

Lab Course:

1. Specific tests for sugars, amino acids and lipids
2. Formal titration of amino acids
3. Estimation of proteins using ninhydrin and biuret method
4. Estimation of sugar by anthrone and Folin-Wu method.
5. Saponification value and iodine number of fat.
6. Estimation of ascorbic acid.
7. Achromic point determination using salivary amylase
8. Effect of ions on salivary amylase activity.
9. Enzyme assay and kinetics (ex. Amylase, Protease)

Books Recommended:

Nelson, Cox and Lehninger
G. Zubay
Stryer
Garrett and Grosham
West, Tood, Mason & Bbruglen
White, Handler & Smith
D. Voet and J C Voet

Principles of Biochemistry
Biochemistry
Biochemistry
Biochemistry
Text book of biochemistry
Biochemistry-clinical application
Biochemistry

M. Sc. Microbiology

FIRST SEMESTER (July 2020 – December 2020)

PAPER – III: Microbiology

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** General characteristics of fungi, classification of fungi, life cycle of selected fungal genus (*Aspergillus*, *Penicillium*, *Fusarium* and *Mucor*). Economic importance of fungi. Microbial association, parasitism, mutualism and symbiosis with plants and animals. Mycorrhiza, VAM. Algae: Distribution, classification, reproduction, ecology and importance.
- UNIT-II** Morphology and ultra-structure of bacteria: Morphological types, cell wall of archaeobacteria, gram negative, gram positive eubacteria. Bacterial cell membranes – structure, composition and properties. Structure and function of flagella, cilia, pili, gas vesicles. Cyanobacteria, protozoa, mycoplasma and Rickettsia. Gene transfer mechanisms: transformation, transduction, conjugation and transfection. Plasmids and cosmid vector for gene cloning
- UNIT-III** Nutritional types (autotrophs, heterotrophs, phototrophs, chemotrophs), growth curves, measurement of growth, factors affecting growth, generation time, growth kinetics. Batch and continuous culture, Basis of microbial classification, classification and salient feature of bacteria according to Bergey's manual of determinative bacteriology.
- UNIT-IV** Viruses: Structure and classification; General concepts: Viral genome, capsids, envelopes, viroids and prions). Virus reproductions: Lysogeny and Lytic phase, Bacteriophages and their types. Introduction to Plant and animal viruses (TMV, HIV, Hepatitis virus, H1N1 virus, Small Pox virus and Ebola virus), Route of transmission of viruses, Laboratory diagnosis and treatment, Antiviral therapy

Lab Course:

1. Glassware preparation and sterilization techniques- wet heat- dry heat- filter types- laminar flow chamber types- CDC- safety levels.
2. Preparation of liquid & solid media, plating, pouring, inoculation and incubation for growth of microorganism
3. Methods of obtaining pure culture of microorganisms (a) streak plate (b) Pour plate, and (c) spread plate methods
4. Identification and Microscopic examination of the microorganisms.
5. Motility of bacteria by hanging drop technique.

Syllabi of M. Sc. Microbiology: 2020-2022

6. Bacterial DNA isolation from *E-coli* culture.
7. Grams' staining for Gram positive and Gram's negative Bacteria.
8. Study of bacterial growth by turbidimetry/ spectrophotometry
9. Isolation and enumeration of microorganisms from soil by serial dilution agar plating method.
10. Enumeration of viruses by plaque assay technique.

Books Recommended:

Microbiology	L.M. Prescott, J.P. Harley and D.A. Klein
General Microbiology	RY Stanier, J L Ingrahamana, ML Wheelis & P. R. Painter
Principles of Microbiology	R.M. Atlas
Microbiology	Peleczar, Chan & Krieg.
General Virology	Luria, Darnell, Baltimore and Campell.
Introduction to Mycology	CJ Alexopoulos and CW Mims
Principles of Virology: Molecular	S. J. Flint, V. R. Racaniello, L. W. Enquist,
Biology, Pathogenesis, and	V. R. Rancaniello, A. M. Skalka
Control of Animal Viruses	

M. Sc. Microbiology

FIRST SEMESTER (July 2020 – December 2020)

PAPER – IV: Biology of Immune System

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Innate immune mechanism and characteristics of adaptive immune response. Cells of immune system: Hematopoiesis and differentiation, mononuclear cells and granulocytes, antigen presenting cells.
Primary and Secondary lymphoid organs and tissues.
Ontogeny and phylogeny of lymphocytes. Lymphocyte traffic.
- UNIT-II** Antigen receptor molecules: B-cell receptor complex, Immunoglobulin- structure, types and function. T-cell receptor complex. Major Histocompatibility Complex- types, structural organization, function and distribution. Transplantation and Rejection. Complement system.
- UNIT-III** Antigens: nature of antigens, factor affecting immunogenicity, Haptens and super antigens. Antigenic determinants. Recognition of antigens by T and B cell.
Antigen processing. Role of MHC molecules in antigen presentation and co-stimulatory signals. Antigen and antibody interaction.
- UNIT-IV** Cell mediated immune response. Cytokines and interleukins- structure and function. Immunity to infections. Hypersensitive reactions and their types.
Immunodeficiency disorders. Autoimmunity and autoimmune disorder. Immunological tolerance.

Lab Course:

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1. Identification of cells of immune system
2. Separation of mononuclear cells by Ficoll-Hypaque
3. Identification of Lymphocytes and their subsets
4. Lymphoid organs and their microscopic organization
5. Isolation and purification of Antigens
6. Purification of IgG from serum
7. Estimation of Levels of gamma globulins and A/G ratio in blood
8. Antigen antibody interaction

Books Recommended:

Kuby's Immunology	R.A. Goldsby, T. J Kindt and B. A. Osborne
Immunology- A short Course	E. Benjamini, R. Coico and G. Sunshine
Immunology	Roitt, Brostoff and Male
Fundamentals of Immunology	William Paul
Immunology	Tizard
Immunology	Abbas et al

M. Sc. Microbiology

SECOND SEMESTER (January 2021 – June 2021)

PAPER – I: Genetics and Molecular Biology

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Gene mapping methods: Linkage maps, tetrad analysis, mapping with molecular markers, mapping by using somatic cell hybrids, development of mapping population in plants, complementation analysis.
Mutation: Types, mutagens and detection.
Mutant types – lethal, conditional, biochemical, loss of function, gain-of-function, germinal verses somatic mutants, insertional mutagenesis.
- UNIT-II** DNA replication in eukaryotes and prokaryotes : enzymes involved, replication origin and replication fork, fidelity of replication, extrachromosomal replicons.
DNA damage and repair mechanisms: Repair of Base-excision, Nucleotide excisions, Mismatch and Double Strand. p_{53} and p_{21} .
- UNIT-III** RNA synthesis and processing: enzymes involved, formation of initiation complex, transcription activator and repressor, elongation, and termination, RNA processing, capping, RNA editing, splicing, and polyadenylation, RNA transport.
- UNIT-IV** Protein synthesis and processing: Ribosome, formation of initiation complex, initiation factors, elongation and elongation factors and their regulation, termination.
Aminoacylation of tRNA, tRNA-identity, aminoacyl tRNA synthetase, and translational proof-reading, translational inhibitors.
Post Translational modification of proteins.

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Lab Course:

1. Isolation, purification and estimation of RNA
2. Isolation, purification and estimation of DNA
3. Determination of T_m of nucleic acid
4. Fraction of poly (A) RNA
5. Restriction Mapping
6. Restriction Digestion
7. Ligation
8. DNA molecular size determination

Books Recommended:

Molecular Cell Biology	H. Lodish, A. Berk, SL Zipursky, P. Matsudaira, D.
Essential Cell Biology	B. Alberts, D. Bray, K. Hopkin and A. Johnson
Molecular Biology of the Cell	Baltimore, and James Darnell
Molecular Biology of the Cell	B. Alberts, A. Johnson, J. Lewis and M. Raff
Cell and Molecular Biology	G. Karp
: Concepts and experiments	
Molecular Biology of the Gene	JD Watson et al.
Molecular Biology of the Cell	John Wilson, Tim Hunt
The Problems	
Molecular Biology of the Cell	Bruce Albert's, Alexander Johnson, Julian Lewis,
	Martin Raff, Keith Roberts, Peter Walter
Genes VIII	Benjamin Lewin

M. Sc. Microbiology

SECOND SEMESTER (January 2021 – June 2021)

PAPER – II: Bioenergetics & Metabolism

[Credit: 4 and Maximum Marks: 80]

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- UNIT-I** First and second laws of thermodynamics. Gibbs free energy G , free energy change ΔG , endergonic & exergonic reactions. Standard state free energy changes- ΔG , ΔG° and $\Delta G'^\circ$, Relationship between equilibrium constant and $\Delta G'^\circ$, Feasibility of reactions. ATP-Structure, properties and energy currency of the cell, Importance of Coupled reactions, other high energy compounds.
- UNIT-II** Carbohydrate metabolism: Glycolysis, Kreb's cycle, glycogenolysis, glycogenesis, pentose phosphate pathway, gluconeogenesis, and glyoxylate pathway. Regulation of carbohydrate metabolism.
- UNIT-III** Electron transport and oxidation phosphorylation: electron carriers, complexes I to IV, substrate level phosphorylation, mechanism of oxidative phosphorylation. Shuttle system for entry of electron.

Biosynthesis and degradation of Lipids. Regulation of lipid metabolism

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UNIT-IV Nitrogen Assimilation: Overview of Nitrogen in biosphere and uptake by organism. Biosynthesis and degradation of amino acids. Regulation of amino acid metabolism
Biosynthesis and degradation of purine and pyrimidine nucleotides.

Lab Course:

1. Protein estimation by Lowry, Bradford and Spectrophotometric method
2. Estimation blood cholesterol
3. Estimation of sugar by Nelson- Somagy and Benedict's reagent
4. Isolation and estimation of lipid from seeds and egg.
5. Estimation of inorganic and total phosphorus by Fiske-Subba Rao method
6. Assay of phosphatases in blood and seeds
7. Urease estimation in plant tissues

Books Recommended:

Principles of Biochemistry	Nelson, Cox and Lehninger
Biochemistry	G. Zubay
Biochemistry	Stryer
Biochemistry	Garrett and Grosham
Text book of biochemistry	West, Tood, Mason & Bbruglen
Biochemistry	White,Handler & Smith
Biochemistry with clinical application	D. Voet and J C Voet
Enzymes	Dixon and Webb
Fundamentals of Enzymology	Price and Steven
Practical biochemistry	Plummer
Enzyme biotechnology	G. Tripathi
Enzyme Reaction Mechanism	Walsh
Enzyme catalysis and regulation	Hammes

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SECOND SEMESTER (January 2021 – June 2021)

PAPER- III: Instrumentation and Techniques

[Credit: 4 and Maximum Marks: 80]

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UNIT-I Centrifugation: Principle, techniques. Preparative, analytical and ultracentrifuges, sedimentation coefficient and factors affecting sedimentation coefficient. Application of centrifugation.

Photometry: Basic principles of colorimetry, UV- visible spectrophotometry & IR- spectrophotometry. Spectroflurometry

Atomic absorption spectroscopy: Principle, Instrumentation and applications

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- UNIT-II** Microscopic techniques: light microscopy, phase-contrast microscopy, scanning and transmission electron microscopy, different fixation and staining techniques for EM, freeze-etch and freeze-fracture methods for EM, image processing methods in microscopy.
- UNIT-III** Chromatography: Paper and Thin Layer Chromatography. Gel filtration, Ion exchange and Affinity chromatography. GLC and HPLC.
Histochemical and immunohistotechniques: Detection of molecules using immunoprecipitation, EIA, RIA and FIA.
- UNIT-IV** Electrophoresis: Agarose, PAGE, 2D-E.
Radioactivity: GM counter, liquid Scintillation counter, solid Scintillation counter, gamma counters.
Lyophilization: Principle, instrumentation and applications.
Microtomy: types, principle and applications

Lab Course:

1. Verification of Beers Law
2. Determination of absorption maxima
3. Quantitative determination, Enzyme kinetics
4. Amino acid and carbohydrate separation by paper and TLC
5. Ion exchange and gel filtration chromatography
6. SDS Polyacrylamide Gel Electrophoresis
7. Isoenzymes
8. Separation of sub-cellular organelles by differential centrifugation.
9. Isolation of DNA and Agarose gel Electrophoresis

Books Recommended:

K Wilson and John Walker RF Boyer	Practical Biochemistry: Principles & Techniques Biochemistry Laboratory: Modern Theory & Techniques
S Carson, H Miller and D Scott	Molecular Biology Techniques: A Classroom Laboratory Manual
TC Ford and J. M. Graham R Baserga and D Malamud T Chard	An Introduction to Centrifugation Autoradiography: techniques and application An Introduction to Radioimmunoassay and Related Techniques , Volume 6
TA Jennings James M. Miller LR Synder, JJ Kirkland and JL Glajch Anna Pratima Nikalje & D. Bhosale Mark F. Vitha AGE Pearse PA Midgley DB Murphy & MW Davidson	Lyophilization: Introduction and Basic Principles Chromatography: Concepts and Contrasts Practical HPLC Method Development, 2nd Edition A Handbook of Chromatography Chromatography: Principles and Instrumentation Histology and Histochemical methods The principles of microscopy Fundamentals of Light Microscopy and Electronic Imaging, Second Edition
IW Watt RF Egerton	The Principles and Practice of Electron Microscopy Physical Principles of Electron Microscopy An Introduction to TEM, SEM, and AEM
P Haselet, G-W Oetjen EC Clayden T Chandak, M Chaudhary & V	Freeze-Drying, 3rd Edition Practical Section Cutting and Staining Microtomy: Microtome and its applications

Chandak

Simon Renshaw

IB Buchwalow & W Bocker

JB Birks

Immunohistochemistry and Immunocytochemistry:
Essential Methods, Second Edition
Immunohistochemistry: Basics and Methods
The Theory and Practice of Scintillation Counting

M. Sc. Microbiology

SECOND SEMESTER (January 2021 – June 2021)

PAPER- IV: BIOMETRY, COMPUTER AND SCIENTOMETRY

[Credit: 4 and Maximum Marks: 80]

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- Unit-I** Introduction to biostatistics. Types of biological data: data on different scales. Frequency distributions. Cumulative frequency distributions. Random sampling. Parameters and statistics. Measures of central tendency and dispersion: Mean, Median, Mode, Range, Variance and Standard deviation. Coefficient of variation. The effects of coding data. Data transformations: Log-transformation, Square-root transformation and Arcsine transformation. Distribution: normal & binomial. Probability: Basic laws of probability, addition law, multiplication law. Probability and frequency.
- Unit-II** Statistical errors in hypothesis testing. Testing goodness of fit: Chi-square goodness of fit. Heterogeneity Chi-square. The 2 x 2 contingency table. One sample hypothesis. Two-sample hypothesis. Testing for difference between two means (t-test). Testing for difference between two variances (F-test). The paired sample t-test. Multiple-sample hypothesis (ANOVA): Single factor and two factors ANOVA. Multiple comparisons: Duncan's multiple-range tests. Simple linear regression. Regression vs. Correlation. Regression equation. Interpretations of regression functions. Simple linear correlation. The correlation coefficient.
- Unit-III** Introduction to MS-Office software: Word processing; creating new document, editing documents, adding graphics to documents, Word tables. Management of Workbook & Worksheets; Applications, Features, Using formulas and functions, Features for Statistical data analysis, Excel ToolPak for data analysis, Generating charts/ graph. Presentation software; Working in PowerPoint, Creating new presentation, working with slides.
- Unit-IV** Introduction to Internet and Applications. Basics of internet, e-mailing, Search engine – Google and Yahoo; Pub med, Scopus, Web of Science, Google Scholar, Indian Citation Index, Science Citation Index (SCI), h-index, i-10-index. Journal Impact Factor (JIF). Introduction to Plagiarism and Cyber laws.

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Lab Course:

1. Exercises for data distribution
2. Exercises for computation of measures of central tendency
3. Exercises for computation of measures of variability
4. Computation of correlation coefficient, r , and regression constants
5. Data analysis by ANOVA and multiple-range tests
6. Hypothesis testing by t-test, F-test, and Chi-square test
7. Graphical presentation of data using a suitable package
8. Statistical analysis of a data using a suitable package
9. Preparation of document using a suitable package
10. Preparation of slides using a suitable package
11. Hands-on-practice for finding indices [SCI, h-index, i-10 index] of articles using relevant database

Books Recommended:

Campbell RC	Statistics for biologists
Zar JH	Biostatistical Analysis
Wardlaw AC	Practical Statistics for Experimental Biologists
Snedecor GW & Cochran WG	Statistical Methods
Sokal RR & Rohlf FJ	Introduction to Biostatistics
Sumner M	Computers: Concepts & Uses
White R	How Computers Work
Cassel P et al.	Inside Microsoft Office Professional
Coleman P and Dyson P	Mastering Internets
Gralla P	How the Internet Works
Shelly GB, Vermaat ME, Cashman TJ	Microsoft 2007: Introductory Concepts & Techniques
Habraken J	Microsoft Office 2003 All in One
	Microsoft Office 2010 In Depth
Gilmore B	Plagiarism: Why it happens, How to prevent it?
Buranen L & Roy AM	Perspectives on Plagiarism & Intellectual Property in a Post-Modern World
Kumar Anupa P	Cyber Law
Sood V	Cyber Law Simplified

M. Sc. Microbiology
THIRD SEMESTER (July 2021 – December 2021)
PAPER I: MICROBIAL PHYSIOLOGY
[Credit: 4 and Maximum Marks: 80]
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Syllabi of M. Sc. Microbiology: 2020-2022

UNIT - I
Aerobic metabolism of methane and methanol: Methane and methanol users, Oxidation of methane, Formaldehyde and formic acid, assimilation of C-1 compounds. Anaerobic respiration: Sulphur compounds and nitrate as electron acceptors, electron transport in SO ₄ and NO ₃ reducers. Anaerobic metabolism of glucose, Fermentation process, modes of glucose fermentation (lactic acid, ethanol, acetic acid, butyric acid, acetone and butanol, formate and propionate). Transport of nutrients across membrane.
UNIT - II
Biosynthesis of peptidoglycan, teichoic acid, lipopolysaccharide, biosynthesis and degradation of essential amino acids, microbial degradation of aromatic, polycyclic and halogenated aromatic compounds. Microbial metabolism of hydrogen.
UNIT - III
Microbial photosynthesis: Historical account, structure of photosynthetic pigments i.e., chlorophylls and bacterio-chlorophylls, carotenoids, phycobilins, primary photochemistry and electron transport (light harvesting, charge-separation and electron transport in anoxygenic photosynthesis), ATP synthesis. Eubacterial photosynthetic microbes, development of photosynthetic apparatus, carbon metabolism. Cynobacterial organization of photosynthetic apparatus. Halobacterial photo-phosphorylation.
UNIT - IV
Nitrogen metabolism: Biological nitrogen fixation, Mechanism of nitrogen fixation, ammonia assimilation, properties and regulation of glutamine synthetase, glutamate synthetase, glutamate dehydrogenase. Biochemistry of methanogenesis; bio-transformation of steroid and non-steroid compounds.
Lab Course:
<ol style="list-style-type: none"> 1. Qualitative of assay of different extra-cellular enzymes 2. Quantitative assay of alkaline and acid phosphatases from microorganisms. 3. Determination of Km value of beta- fructofuranosidase from yeast 4. Antibiotic sensitivity test 5. Measurement of CM-cellulase by viscometric and reducing sugar method. 6. Experiment on production of enzymes and optimizing parameters for enzyme production in shake flask culture using <i>Aspergillus niger</i>, <i>Saccharomyces cerevisiae</i> for production of amylase, invertase respectively. Experiment on production of citric acid and optimizing parameters for citric acid production in shake flask culture using <i>Aspergillus niger</i>.
Books Recommended:
<ol style="list-style-type: none"> 1. Brown TA (1999) Genome. John Wiley & Sons (Asia) PTE. LTD. 2. Goeddel DV (1990) Methods in Enzymology, vol 185, Gene Expression Technology. Academic Press, San Diego. 3. Kaufman PB, Wu W, Kim D and Cseke LJ (1995) Molecular and Cellular Methods in Biology and Medicine. C. Press, Florida. 4. EL-Mansi E.M.T. and Bryce C.F.A. Fermentation Microbiology and Biotechnology. Taylor & Francis.
M. Sc. Microbiology
THIRD SEMESTER (July 2021 – December 2021)
PAPER-II: FERMENTATION TECHNOLOGY [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.

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UNIT – I
General Considerations: Fermentation biotechnology – An historical perspective, metabolic pathways and metabolic control mechanisms, primary and secondary metabolites, genetic regulation and catabolite repression, Fermentation kinetics, kinetics of substrate utilization, product formation.
UNIT – II
Types of bio-reactors, their design and instrumentation: Fed batch bio-reactors, continuous stirred tank bio-reactors, plug flow tubular reactors; multiphase reactors, packed bed, bubble column, fluidized bed and trickle bed bio-reactors, animal and plant cell bio-reactors, non-ideal mixing, batch and continuous sterilization, immobilized bio-catalysts, sensors for medium and gases.
UNIT - III
Industrial production of microbial biomass (SCP, and mushrooms), alcohol, organic acid (citric acid, gluconic acid, itaconic acid), amino acids (L- glutamic acid, L- lysine and L-aspartic acid), enzymes and antibiotics (Penicillin), microbial polysaccharides and polyesters.
UNIT – IV
Scale up, instrumentation control, Bio-sensors in bio-process monitoring and control. Downstream processing: Removal of microbial cells and solid matter, precipitation, filtration, centrifugation, disintegration of cells, extraction methods, concentration methods, purification and resolution of mixtures, drying and crystallization.
Lab Course:
<ol style="list-style-type: none"> 1. Experiment on production of alcohol and optimizing parameters for alcohol production in shake flask culture using <i>Saccharomyces cerevisiae</i>. 2. Experiment on production and optimizing parameters for SCP in shake flask culture. 3. Experiment on production of enzymes and optimizing parameters for enzyme production in solid-state fermentation using wheat bran and other agricultural solid waste. 4. Protein purification methods: affinity chromatography, ion exchange and gel filtration. 5. Recovery of products from solid state cultures -Recovery of intracellular products: Cell disruption procedures by sonication, 6. Carbohydrate catabolism by microorganisms (oxidation and fermentation of glucose) 7. Fermentation of carbohydrates.
Books Recommended:
<ul style="list-style-type: none"> • EL-Mansi E.M.T. and Bryce C.F.A. Fermentation Microbiology and Biotechnology. • Alberghina Lilia. Protein Engineering in Industrial Biotechnology.. • Jogdand S. N. Gene Biotechnology. . • O. J. Eugenia, S. G. & Hernandez Elizabeth. Environmental Biotechnology and Cleaner Bioprocesses. • Prescott & Dunn's. Industrial Microbiology. 4th ed., • Bullock John and Kristiansen Bjorn. Basic Biotechnology. • A.H. Patel. Industrial Microbiology

M. Sc. Microbiology
THIRD SEMESTER (July 2021 – December 2021)
PAPER III: ENVIRONMENTAL MICROBIOLOGY
[Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.

Syllabi of M. Sc. Microbiology: 2020-2022

UNIT – I
Distribution and ecology of microorganism, Ecosystem- concept, components, food chains, food webs, and trophic levels. Energy transfer efficiencies between trophic levels. Environmental factors influencing the growth and survival of microorganism. Physical factors- temperature, light, osmotic pressure and hydrostatic pressure. Chemical factors- pH, O ₂ and CO ₂ . Microorganisms of extreme environments: psychrophiles, mesophiles, thermophiles, acidophiles, alkalophiles, halophiles and specific habitats.
UNIT – II
Microbiology of water: aquatic and marine ecosystems, Zonation of water ecosystems: eutrophication, ecology of polluted water, microbiological treatment processes. Waste water disposal and reclamation. Brief account of major water borne diseases and their control measures.
UNIT – III
Soil microbiology: Micro flora of various soil types (bacteria and nematodes): rhizosphere and phyllosphere, Microbial interactions: symbiosis, mutualism, commensalism, competition, amensalism, synergism, parasitism and predation, Phosphate solubilizing organisms, Biogeochemical cycles and Microbes, Biological N ₂ fixing organisms, extracellular enzymes, Ecology of litter decomposition.
UNIT – IV
Biodegradation of lingo-cellulose and hydrocarbons, oil spills and superbug. Composting, treatment of solid and liquid wastes. Bioaccumulation of metals and detoxification- biopesticides; biodeterioration of materials, GMO and their impact.
Lab Course:
<ol style="list-style-type: none"> 1. BOD & COD estimation in water sample 2. Study of microbial contaminants from water and wastewater. 3. Study of air borne microorganisms using various methods. 4. Assay of anti-fungal and antibacterial properties of agro-chemicals and fungicides. 5. Assessment of quality of oils using saponification value, iodine number, and free fatty acid composition. 6. Study of thermophilic microorganisms. 7. Bacteriological examination of water by multiple-tube fermentation test. 8. Determination of coliforms to determine water purity using membrane filter method. 9. Lipase production test. 10. Isolation of Rhizobium from root nodule. 11. Measurement of spore size using micrometry 12. Isolation of microorganisms from rhizosphere and phylloplane.
Books Recommended:
<ul style="list-style-type: none"> • Michael, T. Madigan; John. M. Mmmartinko and Jack Parker. Brock. Biology of Microorganisms. • Microbiology of Extreme Environments edited by Clive Edwards • Olguin J. Eugenia, Sanchez Gloria & Hernandez Elizabeth. Environmental Biotechnology and Cleaner Bioprocesses. Taylor & Francis. • Michel. R. Introduction to Environmental Microbiology. 1999

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THIRD SEMESTER (July 2021 – December 2021)
PAPER-IV: MEDICAL MICROBIOLOGY

Syllabi of M. Sc. Microbiology: 2020-2022

[Credit: 4 and Maximum Marks: 80]

Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.

UNIT – I

Normal microbial flora of human body, role of resident flora, host microbe interactions. Classification of medically important microorganisms. Nosocomial infection, common type of hospital infections. Infection and infectious process - routes of transmission of microbes in the body. Source of infection for man; vehicles or reservoirs of infection. Mode of spread of infection. Pathogenesis: Infectivity and virulence

UNIT – II

Classification of pathogenic bacteria. *Staphylococcus*, *Streptococcus*, *Pneumococcus*, *Neisseria*, *Corynebacterium*, *Bacillus*, *Clostridium*, Non sporing Anaerobes, Organism belonging to Enterobacteriaceae, vibrios, Non fermenting gram negative bacilli *Yersinia*; *Haemophilus*; *Bordetella*; *Brucella*; *Mycobacteria*, *Spirochaetes*, *Actinomycetes*; *Rickettsiae*, *Chlamidia*. Principles of antimicrobial action and resistance of antibiotics. Antimicrobial susceptibility testing.

UNIT- III

General properties of Viruses; Viruses Host Interactions, Pox viruses, Herpes viruses, Adeno viruses; Picarbo viruses; Orthomyxo viruses; Paramyxo viruses (Nipah Virus); Arboviruses, Rhabdo viruses, Oncogenic viruses; Filoviridae (Ebola Viruses), Human Immuno deficiency viruses. Anti viral therapy and anticancer compounds.

UNIT- IV

Mycology - Human mycotic infections caused by Dermatophytes, Histoplasma, Cryptococcus, Candida, opportunistic mycoses. Mycotoxins. Description and classification of pathogenic fungi and their laboratory diagnosis. Anti fungal compounds

Parasitology - Medical importance of Entamoeba, Giardia, Plasmodium, Taenia, Ascaris, Wucherhiria. Laboratory diagnosis of parasitic diseases

Lab Course:

1. Identification of micro flora of mouth, skin and wounds
2. Identification of enteric pathogens by TSIA medium
3. Identification of dermatophytic fungi
4. Identification of important human parasites
5. IMVIC test/other specific tests
6. Identification of Microorganisms from Cell Phone/ contaminated objects.

Books Recommended:

- Prescott & Dunn's. Microbiology. CBS Publishers & Distributors.
- Anantnarayan R and Panikar CKJ: Text book of Microbiology, Orient Blackswan Pvt. Ltd.
- Broude AI: Medical Microbiology and Infectious Diseases, WB Saunders Co.
- Chapel and Haeney: Essentials of Clinical Immunology, Blackwell Scientific Publications
- Forbes BA, Sahm DF and Weissfeld AS: Bailey & Scott's Diagnostic Microbiology, Mosby

Syllabi of M. Sc. Microbiology: 2020-2022

M. Sc. Microbiology
FOURTH SEMESTER (January 2022 – June 2022)
PAPER-I: MICROBIAL BIOTECHNOLOGY [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT – I Techniques of Microbial technology: Scope of genetic engineering, restriction and modification enzymes, ligation and transformation, agarose and polyacrylamide gel electrophoresis, Southern, northern, western blotting, polymerase chain reaction, DNA sequencing, cloning vectors- plasmids, bacteriophages, phagemids, cosmids. YAC, BAC.
UNIT – II Basics of Genomics, RNA interference, Cloning strategies, cDNA synthesis and cloning, mRNA enrichment, DNA primers, linkers, adaptors and their synthesis, library construction and screening; Cloning interacting genes, two and three hybrid systems, cloning differentially expressed genes, nucleic acid microarrays; Site directed mutagenesis and protein engineering, immobilization techniques.
UNIT – III Microbial screening, selection and strain improvement, bacterial enterotoxins, peptide hormone, interferons. Biofertilizers, biopesticides, enzyme electrodes, enzyme in pulp and paper industry, Bioremediation. Bioleaching.
UNIT – IV Role of national and international organization in biotechnology, cooperative efforts, government programs for biotechnology development and applications, patenting biotechnological process and products in different fields, regulation for bio-hazardous products.
Lab Course: <ol style="list-style-type: none">1. Bacterial culture and antibiotic selection media. Preparation of competent cells.2. Isolation of plasmid DNA.3. Isolation of Lambda phage DNA.4. Estimation of nucleic acids.5. Agarose gel electrophoresis and restriction mapping of DNA.6. Construction of restriction map of plasmid DNA.7. Cloning in plasmid/phagemid vectors.8. Preparation of single stranded DNA template.9. Gene expression in <i>E. coli</i> and analysis of gene product10. PCR
Books Recommended: <ul style="list-style-type: none">• Bruce A White (1997) PCR Cloning Protocols.• Bruce Birren, Eric D Green, Sue Klapholz, Trichard M Myers, Horald Riethman, & Jane Roskenus (1999) Genome Analysis: A Lab Manual vol.1, vol.2, vol.3, Daniel L Hartl, Elizabeth & Jones W (1998) Genetics: Principles and Analysis.

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- Davies JA & Rez WS (1992) Milestones in Biotechnology Classic papers on Genetic Engineering. Glick Molecular Biotechnology.
- Glover DM and Hames BD (1995) DNA Cloning: A practical approach, IRL Press, Oxford.
- Kaufman PB, Wu W, Kim D and Cseke LJ (1995) Molecular and Cellular Methods in Biology and Medicine. C. Press, Florida.
- Kingsman SM & Kingsman AJ (1998) Genetic Engineering. An Introduction to gene analysis and exploitation in eukaryotes. Blackwell Scientific Publishers, Oxford.
- Mickloss DA & Freyer GA (1990) DNA Science. A First Course in Recombinant Technology. Cold Spring Laboratory Press, New York
- Primrose SB (1994) Molecular Biotechnology (2nd Edition). Blackwell Scientific Publishers, Oxford.
- Sambrook, Fritsch EF and Maniatis (2000). Molecular Cloning: A Laboratory Manual. Cold Spring Laboratory Press, New York
- Sambrook & Russell (2001) Molecular Cloning: A lab Manual (3rd Edition). Cold Spring Harbor Lab Press.
- Strickberger MW (2000) Genetics (3rd Edition), Prentice Hall of India Pvt. Ltd.
- Walker MR & Rapley R (1997) Route Maps in Gene Technology. Blackwell Scientific Publishers, Oxford.
- Watson JD, Gilman N, Witkowski, Mark, Zoller . Recombinant DNA , Scientific American Books.
- John Bullock and Bjorn Kristiansen. Basic Biotechnology Academic Press

M. Sc. Microbiology
FOURTH SEMESTER (January 2022 – June 2022)
PAPER-II: ADVANCED IMMUNOLOGY, PROPHYLAXIS AND DIAGNOSTICS [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT – I
Generation of diversity in BCR. Light and heavy chain gene recombination. Recombination Signal sequences. Class switching. Membrane and secreted immunoglobulins. Organization, arrangement of T-cell receptor genes and recombination. Regulation of immune response by antigen, antibody, immune complex, MHC and cytokines.
UNIT – II
Immunoprophylaxis: Principles of Vaccination. Immunization practices. Vaccines against important bacterial and parasitic diseases. DNA vaccines; passive prophylactic measures. Viral vaccines and antiviral agents. Vaccination schedules and safety. Production of vaccines.
UNIT – III
Diagnosis of microbial diseases - Collection, transport and preliminary processing of Clinical pathogens. Clinical, microbiological, immunological and molecular diagnosis of diseases. Principles of immunodiagnosics. Antigen-antibody based diagnosis and the techniques involved – Enzyme, Radio and Fluorescence Immuno assays, Immunoblotting, Flow cytometry. Effector cell assays, Cytotoxic assays. Isolation of pure antibody. Monoclonal & Designer antibody and their application in immunodiagnosics.
UNIT – IV

Syllabi of M. Sc. Microbiology: 2020-2022

Modern methods of microbial diagnosis. Use of nanotechnology in diagnosis. Synthesis of Nanomaterials, Nanoparticle based drug delivery, Toxicity and environmental risks of nanomaterials. Biosensors: Biosensor-development, types and characteristics, DNA biosensors, application of biosensors in clinical diagnostics: detection of infectious diseases, food pathogen and environmental monitoring.

Lab Course:

1. Preparation of Parasite/ microbe Antigen and analysis by PAGE
2. Immunizations and Production of Antibody
3. Antigen antibody reaction by Double Diffusion, Counter Current and IEP, RID and ELISA
4. Western Blot Analysis
5. Immunodiagnosis using commercial kits (VDRL, RPR, Widal etc.)
6. Identifications of nanomaterials using physical and chemical properties.
7. Green and chemical route for synthesis of nanomaterials.
8. Nanomaterial characterizations using UV-Vis and FT-IR spectroscopy.
9. Assessment of antibacterial properties of nanomaterials.
10. Identification of different analyte/ biomolecules for biosensing system.

Books Recommended:

- Prescott and Dunn's. Microbiology. CBS Publishers & Distributors
- Anantnarayan R and Panikar CKJ: Text book of Microbiology, Orient Blackswan Pvt. Ltd.
- Broude AI: Medical Microbiology and Infectious Diseases, WB Saunders Co.
- Chapel and Haeney: Essentials of Clinical Immunology, Blackwell Scientific Publications
- Kuby's Immunology: R.A. Goldsby, Thomas J Kindt and Barbara A. Osborne
- Immunology- A short Course: E. Benjamini, R. Coico and G. Sunshine
- Immunology: Roitt, Brostoff and Male
- Forbes BA, Sahm DF and Weissfeld AS: Bailey & Scott's Diagnostic Microbiology, Mosby
- Nanotechnology: Basic science and Emerging technologies, M. Wilson, K. Kannangara, G Smith, M. Simmons, B. Raguse, Overseas Press India Pvt. Ltd, New Delhi, First Edition, 2005.
- Nanostructures and Nanomaterials: Synthesis, G. Cao, properties and applications, Imperial College Press, 2004.
- Nanomaterials for medical diagnosis and therapy, Challa S.S.R. Kumar, Wiley-VCH, 2007.
- Introduction to Nanotechnology - Charles P. Poole Jr. and Franks. J. Qwens, Publisher: Wiley.
- Nanobiotechnology: Concepts, Applications and Perspectives- Christof M. Niemeyer (Editor), Chad A. Mirkin (Editor), 2004, WILEY-VCH, Verlag Gmb H & Co.

M. Sc. Microbiology

FOURTH SEMESTER (January 2022 – June 2022)

PAPER-III: FOOD MICROBIOLOGY [Credit: 4 and Maximum Marks: 80]

Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.

UNIT- I

Microbial flora of fresh food, grains, fruits, vegetables, milk, meat, eggs and fish. Microbiological

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examination of foods for their infestation by bacteria, fungi & viruses. Chemical preservatives and food additives. Factors influencing microbial growth in food- Extrinsic and intrinsic factors. Food as a substrate for micro-organism.
UNIT- II
Canning, processing for heat treatment - D, Z and F values and working out treatment parameters; microbial spoilage of canned foods, detection of spoilage and characterization. Mold and mycotoxin contamination of food, aflatoxins, ochratoxins, trichothenes, zearalenone, ergot mycotoxins. Role of microorganisms in beverages- beer, wine and vinegar fermentation.
UNIT- III
The roles of microorganisms in the food industry, positive and negative perspectives. Food-borne infections: <i>Bacillus</i> , <i>Clostridium</i> , <i>Escherichia</i> , <i>Salmonella</i> , <i>Shigella</i> , <i>Staphylococcus</i> , <i>Vibrio</i> , nematodes, protozoa, algae, fungi and viruses. Food borne outbreak- laboratory testing procedures; Sources and transmission of bacteria in foods: human, animal, and environmental reservoirs.
UNIT- IV
Food preservation and quality control. Government Agency and Food Safety Policy: Government Branches (FDA, CDC, USDA and how they work to control food safety), HACCP, Risk Assessment. Biosensor for the detection of food pathogens.
Lab Course:
1. Isolation and identification of microorganisms from fermented food, fruits, cereal grains and oil seeds. 2. Determination of quality of milk sample by methylene blue reductase test.
Books Recommended:
<ul style="list-style-type: none">• M.R. Adams and M.O. Moss: Food Microbiology, Royal Society, Cambridge• William, C. Frazier and Dennis C. Westhoff: Food Microbiology, Tata McGraw Hill• Banwart GJ: Food Microbiology CBS Publishers & Distributors, New Delhi.• Hobbs BC and Roberts D: Food Poisoning and Food Hygiene, Edward Arnold, London

M. Sc. Microbiology
FOURTH SEMESTER (January 2022 – June 2022)
PAPER-III: MICROBIAL ECOLOGY [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT- I
History, significance and developments in the field of microbial ecology Contributions of Beijerinck, Winogradsky, Kluver, Van Niel, Martin Alexander, Selman A. Waksman,

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Environmental chemistry, Atmospheric pollutants, Types of wastes, The Atmosphere, Organization of life, Ecosystems.

UNIT- II

Microorganisms & their natural habitats

- A. Terrestrial Environment: Soil characteristics, Soil profile, Soil formation, Soil as a natural habitat of microbes, Soil microflora
- B. Aquatic Environment: Stratification & Microflora of Freshwater & Marine habitats.
- Atmosphere: Stratification of the Atmosphere, Aeromicroflora, Dispersal of Microbes
- D. Animal Environment: Microbes in/on human body (Microbiomics) & animal (ruminants) body.
- E. Extreme Habitats: Extremophiles: Microbes thriving at high & low temperatures, pH, high hydrostatic & osmotic pressures, salinity, & low nutrient levels.

UNIT- III

Succession of microbial communities in the decomposition of plant organic matter
Biological Interactions.

- A. Microbe–Microbe Interactions: Mutualism, Synergism, Commensalism, Competition, Amensalism, Parasitism, Predation, Biocontrol agents.
- B. Microbe–Plant Interactions: Roots, Aerial Plant surfaces, Biological Nitrogen fixation (symbiotic/nonsymbiotic - biofertilizers)
- C. Microbe–Animal Interactions: Role of Microbes in Ruminants, Nematophagus fungi, Luminescent bacteria as symbiont.

UNIT- IV

Biogeochemical cycles an introduction.

- Carbon cycle: Microbial degradation of polysaccharide (cellulose, hemicellulose, lignin, chitin)
- Nitrogen cycle: Ammonification, nitrification, denitrification & nitrate reduction. Nitrate pollution.
- Phosphorous cycle: Phosphate immobilization and phosphate solubilization.
- Sulphur Cycle: Microbes involved in sulphur cycle.

Lab Course:

- Analysis of soil - pH, moisture content, water holding capacity, percolation, capillary action
- Isolation of microbes (bacteria & fungi) from soil (28°C & 45°C) Isolation of microbes (bacteria & fungi) from rhizosphere and rhizoplane.
- Detection (qualitative) of the presence of enzymes (dehydrogenase, amylase, urease) in soil.
- Isolation of Rhizobium from root nodules of legumes.
- Isolation of Azotobacter/Azospirillum from soil.
- Isolation of phosphate solubilizers from soil.

Books Recommended:

- Atlas RM and Bartha R. (2000). Microbial Ecology: Fundamentals & Applications. 4th edition. Benjamin/Cummings Science Publishing, USA.
- Atlas RM. (1989). Microbiology: Fundamentals and Applications. 2nd Edition, MacMillan Publishing Company, New York.
- Madigan MT, Martinko JM and Parker J. (2009). Brock Biology of Microorganisms. 12th edition. Pearson/ Benjamin Cummings.
- Campbell RE. (1983). Microbial Ecology. Blackwell Scientific Publication, Oxford, England.
- Coyne MS. (2001). Soil Microbiology: An Exploratory Approach. Delmar Thomson Learning.
- Lynch JM & Hobbie JE. (1988). Microorganisms in Action: Concepts & Application in Microbial Ecology. Blackwell Scientific Publication, U.K.
- Maier RM, Pepper IL and Gerba CP. (2009). Environmental Microbiology. 2nd edition, Academic Press.
- Martin A. (1977). An Introduction to Soil Microbiology. 2nd edition. John Wiley & Sons Inc. New York & London.
- Stolp H. (1988). Microbial Ecology: Organisms Habitats Activities. Cambridge University Press,

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Cambridge, England.

- Subba Rao NS. (1999). Soil Microbiology. 4th edition. Oxford & IBH Publishing Co. New Delhi.

M. Sc. Microbiology
FOURTH SEMESTER (January 2022 – June 2022)
PAPER-IV: AGRICULTURE MICROBIOLOGY [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT- I
Structure and characteristic features of the following biofertilizer organisms: Bacteria: Azospirillum, Azotobacter, Bacillus, Pseudomonas, Rhizobium and Frankia. Cyanobacteria: Anabaena, Nostoc, Fungi: Glomus, Gigaspora, Sclerocystis, Amanita, Laccaria. Biofertilization processes - Decomposition of organic matter and soil fertility and vermicomposting. Mechanism of phosphate solubilization and phosphate mobilization.
UNIT- II
Biofertilizers – biological nitrogen fixation – nitrogenase enzyme – symbiotic nitrogen fixation- (Rhizobium, Frankia) – non symbiotic nitrogen fixation (Azotobacter - Azospirillum), VAM- ecto- endo- ectendo mycorrhizae and their importance in agriculture.
UNIT- III
Major biogeochemical cycles and the organisms: carbon – nitrogen - phosphorous and sulphur. Biopesticides: toxin from <i>Bacillus thuringiensis</i> , <i>Pseudomonas syringae</i> . Biological control - use of Baculovirus, protozoa and fungi.
UNIT- IV
Microbial diseases of crop plants: symptoms, causal organisms and control. Fungal diseases (Late blight of potato, Tikka disease of groundnut, red rot of sugarcane). Bacterial diseases (bacterial blight of rice, citrus canker, Tundu disease of wheat) and Viral diseases (Tobacco mosaic, leaf curl of papaya, yellow vein mosaic of bhindi).
Lab Course:
<ol style="list-style-type: none"> 1. Isolation and enumeration of bacteria from different soil type. 2. Isolation and enumeration of fungi from different soil type 3. Preparation of Winogradsky Column to study the various soil microflora. 4. Isolation of Rhizobium from root nodules. 5. Isolation of Azotobacter from soil. 6. Isolation of Cyanobacteria from paddy field. 7. Measurement of pH of soil sample.
Books Recommended:
<ul style="list-style-type: none"> • Bagyaraj and Rangasamy: Agricultural Microbiology

M. Sc. Microbiology
FOURTH SEMESTER (January 2022 – June 2022)
PAPER-IV: INDUSTRIAL MICROBIOLOGY [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT- I
Introduction to industrial microbiology Brief history and developments in industrial microbiology Fermentation processes Solid-state and liquid-state (stationary and submerged) fermentations; Batch, fedbatch and continuous fermentations
UNIT- II
Bioreactors/fermenters Components of a typical bioreactor, types of bioreactors-Laboratory, pilot- scale and production fermenters; constantly stirred tank fermenter, tower fermenter, fixed bed and fluidized bed bioreactors and air-lift fermenter.
UNIT- III
Control parameters, industrially important strains, media ingredients Measurement and control of fermentation parameters Control and monitoring of different parameters in a bioreactor; pH, temperature, dissolved oxygen, foaming and aeration Isolation of industrially important microbial strains Primary and secondary screening, strain development, preservation and maintenance of industrial strains Media and ingredients for industrial fermentations Crude and synthetic media; molasses, corn-steep liquor, sulphite waste liquor, whey and yeast extract.
UNIT- IV
Down-stream Processing Filtration, centrifugation, cell disruption, solvent extraction, precipitation and ultrafiltration, lyophilization, spray drying
Lab Course:
1. Microbial fermentations for the production and estimation (qualitative and quantitative) of: (a) Enzyme: Amylase (b) Amino acid: Glutamic acid (c) Organic acid: Citric acid (d) Alcohol: Ethanol (e) Antibiotic: Penicillin 2. A visit to any educational institute/ industry to see an industrial fermenter, and other downstream processing operations.

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Books Recommended:

- Casida LE. (1991). Industrial Microbiology. 1st edition. Wiley Eastern Limited.
- Crueger W and Crueger A. (2000). Biotechnology: A textbook of Industrial Microbiology. 2nd edition. Panima Publishing Co. New Delhi.
- Patel AH. (1996). Industrial Microbiology. 1st edition, Macmillan India Limited.
- Stanbury PF, Whitaker A and Hall SJ. (2006). Principles of Fermentation Technology. 2nd edition, Elsevier Science Ltd.

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Pt. Ravishankar Shukla University, Raipur				
M. Sc. Microbiology				
Scheme and Syllabi of Examination for SESSION 2019-21				
July 2019 – December 2019				
	First Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Cell Biology	80	20	4
II	Biomolecules	80	20	4
III	Microbiology	80	20	4
IV	Biology of Immune System	80	20	4
LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course II (Based on paper III & IV)	80	20	2
	Total		600	20
January 2020-June 2020				
	Second Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Genetics and Molecular Biology	80	20	4
II	Bioenergetics & Metabolism	80	20	4
III	Instrumentation and Techniques	80	20	4
IV	Biometry, Computer and Scientometry	80	20	4
LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course II (Based on paper III & IV)	80	20	2
	Total		600	20
July 2020-December 2020				
	Third Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Microbial Physiology	80	20	4
II	Fermentation Technology	80	20	4
III	Environmental Microbiology	80	20	4
IV	Medical Microbiology	80	20	4
LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course II (Based on paper III & IV)	80	20	2
	Total		600	20
January 2021-June 2021				
	Fourth Semester	Marks		Credit
Paper	Title of Paper	(External)	(Internal)*	
I	Microbial Biotechnology	80	20	4
II	Advanced Immunology, Prophylaxis and Diagnostics	80	20	4
III	Special Paper-A: Food Microbiology/ Special Paper-B: Microbial Ecology	80	20	4
IV	Special Paper-A: Agricultural Microbiology/ Special Paper-B: Industrial Microbiology	80	20	4

Syllabi of M. Sc. Microbiology: 2019-21

LC-I	Lab Course I (Based on paper I & II)	80	20	2
LC-II	Lab Course I (Based on paper III & IV)	80	20	2
Total			600	20

Important Note:

Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.

Continuous evaluation of Performance*

Each student will be evaluated continuously throughout the semester. There will be a class test based on each theory paper. The full marks will be 10 for each paper. There will be a poster/oral presentation based on each theory paper. The full marks will be 10 for each presentation. Each student will be required to submit a brief write-up (not more than 15-20 pages) on his/her poster/oral presentation.

Project Work**

A student of IV semester will have the choice to opt for project work in lieu of four theory papers and two lab courses provided he/she secure at least **75%** or more marks in aggregate in semester I and II. The project has to be carried out in recognized national laboratories or UGC-recognized universities. No student will be allowed to carry out project work in private laboratories/ college/ institutions, excluding the colleges recognized as research centers by the RDC of Pt. Ravishankar Shukla University, Raipur. The valuation of all the projects will be carried out by an external examiner and HoD of UTD or its nominee at the UTD Centre.

Scheme for Lab Course (for each Semester) Maximum Marks 100

External/Internal

1- Major exercise based on paper I	20
2- Minor exercise based on paper I	10
3- Major exercise based on paper II	20
4- Minor exercise based on paper II	10
5- Spotting/ Interpretation*	10
6- Viva-voce	10

Internal

1- Sessional	20
Total	100

* A student will be required to interpret on the displayed item/material

Dr. A. K. Mishra
6/5/19
SK Mishra
06/05/2019
ASH
6/5/19
Dr. N. K. Mishra
06/05/19
Dr. M. D. Mishra
06/05/19

M. Sc. Microbiology

FIRST SEMESTER (July 2019 – December 2019)

PAPER - I: CELL BIOLOGY

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Molecular organization of membranes - Asymmetrical organization of lipids, proteins and carbohydrates. Membrane transport: Passive transport, Osmosis, ion channels, membrane pumps and, Active transport: ATP-powered pumps-types, properties and mechanisms, electrical properties of membranes.
- UNIT-II** **Protein trafficking:** Transport of proteins into mitochondria, chloroplast, endoplasmic reticulum and nucleus [in and out]. Transport by vesicle formation: exocytosis, endocytosis and its molecular mechanism.
- UNIT-III** Cell signaling: Signaling via G-protein linked and enzyme linked cell surface receptors, MAP kinase pathways.
Eukaryotic cell division cycle: different phases and molecular events, regulation and control of cell cycle. Oncogenes: retinoblastoma, E2F and p53 proteins.
Apoptosis: regulation by CASPases and formation of apoptosome. Pro- and anti-apoptotic factors.
- UNIT-IV** States of chromosomes during cell cycle. Mitotic chromosome. Organization of genes in chromosomes. Banding pattern of chromosomes. Lampbrush and Polytene chromosomes. DNA packaging: Chromatin, nucleosomes, heterochromatin and euchromatin.

Lab Course:

1. Study of chromosome behaviour during Mitosis and meiosis (Onion / Garlic root tips, Onion buds, human lymphocytes, rat or bird testis /grass hopper testis or any other materials).
2. Calculation of mitotic index in growing Onion / Garlic root tips
3. Squash preparation: Polytene chromosome (in chironomus / Drosophila or other insect salivary gland) and Barr body (in buccal epithelial cells).
4. Demonstration of secretory granules in the salivary gland cells of insect.
5. Demonstration of mitochondria by vital staining.
6. Study of permanent slides.
7. Estimation of DNA
8. Estimation of RNA
9. Sub-cellular fractionation and marker enzymes
10. Identification of biomolecules in different tissues by histochemical techniques
11. Preparation of mitotic plate by carmine squashing method and phase identification.
12. Demonstration of the nuclear matrix networks in onion cells.
13. Study of the effect of chemical agents on chromosomes plant cells.
14. Isolation of protoplast, measurement of cell density plating efficiency.
15. Preparation of Karyotype of metaphase plate.
16. Preparation of Meiotic plate and determination of phases.
17. Computation of Chiasma frequency and Terminalization of phases.
18. Micrometry and Camera Lucida drawings.

Books Recommended:

H. Lodish, A. Berk, S L Zipursky, P. Matsudaira D. Baltimore, and James Darnell.	Molecular Cell Biology
B. Alberts, D. Bray, K. Hopkin, A. Johnson	Essential of Cell Biology
H. Lodish, A. Berk, C. A. Kaiser & M. Krieger	Molecular cell Biology
B. Alberts, A. Johnson, J. Lewis and M. Raff	Molecular Biology of the Cell
G. Karp	Cell and Molecular Biology Concepts and experiments

M. Sc. Microbiology
FIRST SEMESTER (July 2019 – December 2019)
PAPER – II: Biomolecules
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Classification, structure and function of Carbohydrates, Lipid:
Carbohydrate: Monosaccharides, homo and hetero-polysaccharides, Peptidoglycan glycoproteins and liposaccharide.
Lipids: Simple; cholesterol and complex; phospholipids and TAG
- UNIT-II** Classification, structure and functions of amino acids, Synthesis of peptides, Proteins-properties, secondary, tertiary and quaternary structure of proteins, Ramchandran plot.
Nucleic Acid: Structure and functions of Purine and pyrimidine, DNA-types, linking number, RNA-types.
- UNIT-III** Enzyme: apoenzymes, cofactors, coenzymes, active site, factors contributing to the catalytic efficiency of enzyme; enzyme kinetics- Michaelis-Menten equation, determination of K_m , enzyme inhibition, allosteric enzymes, isoenzymes, multienzyme complexes
- UNIT-IV** Structure and biological role of:
Porphyrins in biology, structure of hemoglobin and chlorophyll
Animal hormones: protein, peptide and steroid hormones.
Vitamins: fat and water soluble.

Lab Course:

1. Specific tests for sugars, amino acids and lipids
2. Formal titration of amino acids
3. Estimation of proteins using ninhydrin and biuret method
4. Estimation of sugar by anthrone and Folin-Wu method.
5. Saponification value and iodine number of fat.
6. Estimation of ascorbic acid.
7. Achromic point determination using salivary amylase
8. Effect of ions on salivary amylase activity.

9. Enzyme assay and kinetics (ex. Amylase, Protease)

Books Recommended:

Nelson, Cox and Lehninger
G. Zubay
Stryer
Garrett and Grosham
West, Tood, Mason & Bbruglen
White, Handler & Smith
D. Voet and J C Voet

Principles of Biochemistry
Biochemistry
Biochemistry
Biochemistry
Text book of biochemistry
Biochemistry-clinical application
Biochemistry

M. Sc. Microbiology
FIRST SEMESTER (July 2019 – December 2019)
PAPER – III: Microbiology
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** General characteristics of fungi, classification of fungi, life cycle of selected fungal genus (Aspergillus, Pencillium, Fusarium and Mucor). Economic importance of fungi. Microbial association, parasitism, mutualism and symbiosis with plants and animals. Mycorrhiza, VAM. Algae: Distribution, classification, reproduction, ecology and importance.
- UNIT-II** Morphology and ultra-structure of bacteria: Morphological types, cell wall of archaebacteria, gram negative, gram positive eubacteria. Bacterial cell membranes – structure, composition and properties. Structure and function of flagella, cilia, pili, gas vesicles. Cyanobacteria, protozoa, mycoplasma and Rickettsia. Gene transfer mechanisms: transformation, transduction, conjugation and transfection. Plasmids and cosmid vector for gene cloning
- UNIT-III** Nutritional types (autotrophs, heterotrophs, phototrophs, chemotrophs), growth curves, measurement of growth, factors affecting growth, generation time, growth kinetics. Batch and continuous culture, Basis of microbial classification, classification and salient feature of bacteria according to Bergey's manual of determinative bacteriology.
- UNIT-IV** Viruses: Structure and classification; General concepts: Viral genome, capsids, envelopes, viroids and prions). Virus reproductions: Lysogeny and Lytic phase, Bacteriophages and their types. Introduction to Plant and animal viruses (TMV, HIV, Hepatitis virus, H1N1 virus, Small Pox virus and Ebola virus), Route of transmission of viruses, Laboratory diagnosis and treatment, Antiviral therapy

Lab Course:

1. Glassware preparation and sterilization techniques- wet heat- dry heat- filter types- laminar flow chamber types- CDC- safety levels.
2. Preparation of liquid & solid media, plating, pouring, inoculation and incubation for growth of microorganism
3. Methods of obtaining pure culture of microorganisms (a) streak plate (b) Pour plate, and (c) spread plate methods

4. Identification and Microscopic examination of the microorganisms.
5. Motility of bacteria by hanging drop technique.
6. Bacterial DNA isolation from *E-coli* culture.
7. Grams' staining for Gram positive and Gram's negative Bacteria.
8. Study of bacterial growth by turbidimetry/ spectrophotometry
9. Isolation and enumeration of microorganisms from soil by serial dilution agar plating method.
10. Enumeration of viruses by plaque assay technique.

Books Recommended:

Microbiology	L.M. Prescott, J.P. Harley and D.A. Klein
General Microbiology	RY Stanier, J L Ingrahamana, ML Wheelis & P. R. Painter
Principles of Microbiology	R.M. Atlas
Microbiology	Peleczar, Chan & Krieg.
General Virology	Luria, Darnell, Baltimore and Campell.
Introduction to Mycology	CJ Alexopoulos and CW Mims
Principles of Virology: Molecular	S. J. Flint, V. R. Racaniello, L. W. Enquist,
Biology, Pathogenesis, and	V. R. Rancaniello, A. M. Skalka
Control of Animal Viruses	

M. Sc. Microbiology

FIRST SEMESTER (July 2019 – December 2019)

PAPER – IV: Biology of Immune System

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

- UNIT-I** Innate immune mechanism and characteristics of adaptive immune response. Cells of immune system: Hematopoiesis and differentiation, mononuclear cells and granulocytes, antigen presenting cells.
Primary and Secondary lymphoid organs and tissues.
Ontogeny and phylogeny of lymphocytes. Lymphocyte traffic.
- UNIT-II** Antigen receptor molecules: B-cell receptor complex, Immunoglobulin- structure, types and function. T-cell receptor complex. Major Histocompatibility Complex- types, structural organization, function and distribution. Transplantation and Rejection. Complement system.
- UNIT-III** Antigens: nature of antigens, factor affecting immunogenicity, Haptens and super antigens. Antigenic determinants. Recognition of antigens by T and B cell.
Antigen processing. Role of MHC molecules in antigen presentation and co-stimulatory signals. Antigen and antibody interaction.
- UNIT-IV** Cell mediated immune response. Cytokines and interleukins- structure and function. Immunity to infections. Hypersensitive reactions and their types.
Immunodeficiency disorders. Autoimmunity and autoimmune disorder. Immunological tolerance.

Lab Course:

1. Identification of cells of immune system
2. Separation of mononuclear cells by Ficoll-Hypaque
3. Identification of Lymphocytes and their subsets
4. Lymphoid organs and their microscopic organization
5. Isolation and purification of Antigens
6. Purification of IgG from serum
7. Estimation of Levels of gamma globulins and A/G ratio in blood
8. Antigen antibody interaction

Books Recommended:

Kuby's Immunology	R.A. Goldsby, T. J Kindt and B. A. Osborne
Immunology- A short Course	E. Benjamini, R. Coico and G. Sunshine
Immunology	Roitt, Brostoff and Male
Fundamentals of Immunology	William Paul
Immunology	Tizard
Immunology	Abbas et al

M. Sc. Microbiology

SECOND SEMESTER (January 2020 – June 2020)

PAPER – I: Genetics and Molecular Biology

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

UNIT- I Gene mapping methods: Linkage maps, tetrad analysis, mapping with molecular markers, mapping by using somatic cell hybrids, development of mapping population in plants, complementation analysis.

Mutation: Types, mutagens and detection.

Mutant types – lethal, conditional, biochemical, loss of function, gain-of-function, germinal verses somatic mutants, insertional mutagenesis.

UNIT-II DNA replication in eukaryotes and prokaryotes : enzymes involved, replication origin and replication fork, fidelity of replication, extrachromosomal replicons.

DNA damage and repair mechanisms: Repair of Base-excision, Nucleotide excisions, Mismatch and Double Strand. p_{53} and p_{21} .

UNIT-III RNA synthesis and processing: enzymes involved, formation of initiation complex, transcription activator and repressor, elongation, and termination, RNA processing, capping, RNA editing, splicing, and polyadenylation, RNA transport.

UNIT-IV Protein synthesis and processing: Ribosome, formation of initiation complex, initiation factors, elongation and elongation factors and their regulation, termination. Aminoacylation of tRNA, tRNA-identity, aminoacyl tRNA synthetase, and translational proof-reading, translational inhibitors. Post Translational modification of proteins.

Lab Course:

1. Isolation, purification and estimation of RNA
2. Isolation, purification and estimation of DNA
3. Determination of T_m of nucleic acid
4. Fraction of poly (A) RNA
5. Restriction Mapping
6. Restriction Digestion
7. Ligation
8. DNA molecular size determination

Books Recommended:

Molecular Cell Biology	H. Lodish, A. Berk, SL Zipursky, P. Matsudaira, D.
Essential Cell Biology	B. Alberts, D. Bray, K. Hopkin and A. Johnson
Molecular Biology of the Cell	Baltimore, and James Darnell
Molecular Biology of the Cell	B. Alberts, A. Johnson, J. Lewis and M. Raff
Cell and Molecular Biology	G. Karp
: Concepts and experiments	
Molecular Biology of the Gene	JD Watson et al.
Molecular Biology of the Cell	John Wilson, Tim Hunt
The Problems	
Molecular Biology of the Cell	Bruce Albert's, Alexander Johnson, Julian Lewis,
	Martin Raff, Keith Roberts, Peter Walter
Genes VIII	Benjamin Lewin

M. Sc. Microbiology

SECOND SEMESTER (January 2020 – June 2020)

PAPER – II: Bioenergetics & Metabolism

[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

UNIT-I First and second laws of thermodynamics. Gibbs free energy G, free energy change ΔG , endergonic & exergonic reactions. Standard state free energy changes- ΔG , ΔG° and $\Delta G'^\circ$, Relationship between equilibrium constant and $\Delta G'^\circ$, Feasibility of reactions. ATP-Structure, properties and energy currency of the cell, Importance of Coupled reactions, other high energy compounds.

UNIT-II Carbohydrate metabolism: Glycolysis, Kreb's cycle, glycogenolysis, glycogenesis, pentose phosphate pathway, gluconeogenesis, and glyoxylate pathway. Regulation of carbohydrate metabolism.

UNIT-III Electron transport and oxidation phosphorylation: electron carriers, complexes I to IV, substrate level phosphorylation, mechanism of oxidative phosphorylation. Shuttle system for entry of electron.
Biosynthesis and degradation of Lipids. Regulation of lipid metabolism

UNIT-IV Nitrogen Assimilation: Overview of Nitrogen in biosphere and uptake by organism.
Biosynthesis and degradation of amino acids. Regulation of amino acid metabolism
Biosynthesis and degradation of purine and pyrimidine nucleotides.

Lab Course:

1. Protein estimation by Lowry, Bradford and Spectrophotometric method
2. Estimation blood cholesterol
3. Estimation of sugar by Nelson- Somagy and Benedict's reagent
4. Isolation and estimation of lipid from seeds and egg.
5. Estimation of inorganic and total phosphorus by Fiske-Subba Rao method
6. Assay of phosphatases in blood and seeds
7. Urease estimation in plant tissues

Books Recommended:

Principles of Biochemistry	Nelson, Cox and Lehninger
Biochemistry	G. Zubay
Biochemistry	Stryer
Biochemistry	Garrett and Grosham
Text book of biochemistry	West, Tood, Mason & Bbruglen
Biochemistry	White,Handler & Smith
Biochemistry with clinical application	D. Voet and J C Voet
Enzymes	Dixon and Webb
Fundamentals of Enzymology	Price and Steven
Practical biochemistry	Plummer
Enzyme biotechnology	G. Tripathi
Enzyme Reaction Mechanism	Walsh
Enzyme catalysis and regulation	Hammes

M. Sc. Microbiology
SECOND SEMESTER (January 2020 – June 2020)
PAPER- III: Instrumentation and Techniques
[Credit: 4 and Maximum Marks: 80]

(Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words).

Syllabi of M. Sc. Microbiology: 2019-21

- UNIT-I** Centrifugation: Principle, techniques. Preparative, analytical and ultracentrifuges, sedimentation coefficient and factors affecting sedimentation coefficient. Application of centrifugation.
Photometry: Basic principles of colorimetry, UV- visible spectrophotometry & IR-spectrophotometry. Spectrofluometry
Atomic absorption spectroscopy: Principle, Instrumentation and applications
- UNIT-II** Microscopic techniques: light microscopy, phase-contrast microscopy, scanning and transmission electron microscopy, different fixation and staining techniques for EM, freeze-etch and freeze-fracture methods for EM, image processing methods in microscopy.
- UNIT-III** Chromatography: Paper and Thin Layer Chromatography. Gel filtration, Ion exchange and Affinity chromatography. GLC and HPLC.
Histochemical and immunohistotechniques: Detection of molecules using immunoprecipitation, EIA, RIA and FIA.
- UNIT-IV** Electrophoresis: Agarose, PAGE, 2D-E.
Radioactivity: GM counter, liquid Scintillation counter, solid Scintillation counter, gamma counters.
Lyophilization: Principle, instrumentation and applications.
Microtomy: types, principle and applications

Lab Course:

- Verification of Beers Law
- Determination of absorption maxima
- Quantitative determination, Enzyme kinetics
- Amino acid and carbohydrate separation by paper and TLC
- Ion exchange and gel filtration chromatography
- SDS Polyacralamide Gel Electrophoresis
- Isoenzymes
- Separation of sub-cellular organelles by differential centrifugation.
- Isolation of DNA and Agarose gel Electrophoresis

Books Recommended:

K Wilson and John Walker
RF Boyer

S Carson, H Miller and D Scott

TC Ford and J. M. Graham
R Baserga and D Malamud
T Chard

TA Jennings
James M. Miller
LR Synder, JJ Kirkland and JL Glajch
Anna Pratima Nikalje & D. Bhosale
Mark F. Vitha
AGE Pearse

Practical Biochemistry: Principles & Techniques
Biochemistry Laboratory: Modern Theory & Techniques

Molecular Biology Techniques: A Classroom Laboratory Manual

An Introduction to Centrifugation

Autoradiography: techniques and application

An Introduction to Radioimmunoassay and Related Techniques , Volume 6

Lyophilization: Introduction and Basic Principles

Chromatography: Concepts and Contrasts

Practical HPLC Method Development, 2nd Edition

A Handbook of Chromatography

Chromatography: Principles and Instrumentation

Histology and Histochemical methods

Syllabi of M. Sc. Microbiology: 2019-21

PA Midgley	The principles of microscopy
DB Murphy & MW Davidson	Fundamentals of Light Microscopy and Electronic Imaging, Second Edition
IW Watt	The Principles and Practice of Electron Microscopy
RF Egerton	Physical Principles of Electron Microscopy
P Haselet, G-W Oetjen	An Introduction to TEM, SEM, and AEM
EC Clayden	Freeze-Drying, 3rd Edition
T Chandak, M Chaudhary & V Chandak	Practical Section Cutting and Staining
Simon Renshaw	Microtomy: Microtome and its applications
IB Buchwalow & W Bocker	Immunohistochemistry and Immunocytochemistry: Essential Methods, Second Edition
JB Birks	Immunohistochemistry: Basics and Methods
	The Theory and Practice of Scintillation Counting

M. Sc. Microbiology

SECOND SEMESTER (January 2020 – June 2020)

PAPER- IV: BIOMETRY, COMPUTER AND SCIENTOMETRY

[Credit: 4 and Maximum Marks: 80]

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- Unit-I** Introduction to biostatistics. Types of biological data: data on different scales. Frequency distributions. Cumulative frequency distributions. Random sampling. Parameters and statistics. Measures of central tendency and dispersion: Mean, Median, Mode, Range, Variance and Standard deviation. Coefficient of variation. The effects of coding data. Data transformations: Log-transformation, Square-root transformation and Arcsine transformation. Distribution: normal & binomial. Probability: Basic laws of probability, addition law, multiplication law. Probability and frequency.
- Unit-II** Statistical errors in hypothesis testing. Testing goodness of fit: Chi-square goodness of fit. Heterogeneity Chi-square. The 2 x 2 contingency table. One sample hypothesis. Two-sample hypothesis. Testing for difference between two means (t-test). Testing for difference between two variances (F-test). The paired sample t-test. Multiple-sample hypothesis (ANOVA): Single factor and two factors ANOVA. Multiple comparisons: Duncan's multiple-range tests. Simple linear regression. Regression vs. Correlation. Regression equation. Interpretations of regression functions. Simple linear correlation. The correlation coefficient.

Unit-III Introduction to MS-Office software: Word processing; creating new document, editing documents, adding graphics to documents, Word tables. Management of Workbook & Worksheets; Applications, Features, Using formulas and functions, Features for Statistical data analysis, Excel ToolPak for data analysis, Generating charts/ graph. Presentation software; Working in PowerPoint, Creating new presentation, working with slides.

Unit-IV Introduction to Internet and Applications. Basics of internet, e-mailing, Search engine – Google and Yahoo; Pub med, Scopus, Web of Science, Google Scholar, Indian Citation Index, Science Citation Index (SCI), h-index, i-10-index. Journal Impact Factor (JIF). Introduction to Plagiarism and Cyber laws.

Lab Course:

1. Exercises for data distribution
2. Exercises for computation of measures of central tendency
3. Exercises for computation of measures of variability
4. Computation of correlation coefficient, r , and regression constants
5. Data analysis by ANOVA and multiple-range tests
6. Hypothesis testing by t-test, F-test, and Chi-square test
7. Graphical presentation of data using a suitable package
8. Statistical analysis of a data using a suitable package
9. Preparation of document using a suitable package
10. Preparation of slides using a suitable package
11. Hands-on-practice for finding indices [SCI, h-index, i-10 index] of articles using relevant database

Books Recommended:

Campbell RC	Statistics for biologists
Zar JH	Biostatistical Analysis
Wardlaw AC	Practical Statistics for Experimental Biologists
Snedecor GW & Cochran WG	Statistical Methods
Sokal RR & Rohlf FJ	Introduction to Biostatistics
Sumner M	Computers: Concepts & Uses
White R	How Computers Work
Cassel P et al.	Inside Microsoft Office Professional
Coleman P and Dyson P	Mastering Internets
Gralla P	How the Internet Works
Shelly GB, Vermaat ME, Cashman TJ	Microsoft 2007: Introductory Concepts & Techniques
Habraken J	Microsoft Office 2003 All in One
	Microsoft Office 2010 In Depth
Gilmore B	Plagiarism: Why it happens, How to prevent it?
Buranen L & Roy AM	Perspectives on Plagiarism & Intellectual Property in a Post-Modern World
Kumar Anupa P	Cyber Law
Sood V	Cyber Law Simplified

M. Sc. Microbiology	
THIRD SEMESTER (July 2020 – December 2020)	
PAPER I: MICROBIAL PHYSIOLOGY	
[Credit: 4 and Maximum Marks: 80]	
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UNIT - I	
Aerobic metabolism of methane and methanol: Methane and methanol users, Oxidation of methane, Formaldehyde and formic acid, assimilation of C-1 compounds. Anaerobic respiration: Sulphur compounds and nitrate as electron acceptors, electron transport in SO_4 and NO_3 reducers. Anaerobic metabolism of glucose, Fermentation process, modes of glucose fermentation (lactic acid, ethanol, acetic acid, butyric acid, acetone and butanol, formate and propionate). Transport of nutrients across membrane.	
UNIT - II	
Biosynthesis of peptidoglycan, teichoic acid, lipopolysaccharide, biosynthesis and degradation of essential amino acids, microbial degradation of aromatic, polycyclic and halogenated aromatic compounds. Microbial metabolism of hydrogen.	
UNIT - III	
Microbial photosynthesis: Historical account, structure of photosynthetic pigments i.e., chlorophylls and bacterio-chlorophylls, carotenoids, phycobilins, primary photochemistry and electron transport (light harvesting, charge-separation and electron transport in anoxygenic photosynthesis), ATP synthesis. Eubacterial photosynthetic microbes, development of photosynthetic apparatus, carbon metabolism. Cynobacterial organization of photosynthetic apparatus. Halobacterial photo-phosphorylation.	
UNIT - IV	
Nitrogen metabolism: Biological nitrogen fixation, Mechanism of nitrogen fixation, ammonia assimilation, properties and regulation of glutamine synthetase, glutamate synthetase, glutamate dehydrogenase. Biochemistry of methanogenesis; bio-transformation of steroid and non-steroid compounds.	
Lab Course:	
<ol style="list-style-type: none"> 1. Qualitative of assay of different extra-cellular enzymes 2. Quantitative assay of alkaline and acid phosphatases from microorganisms. 3. Determination of K_m value of beta- fructofuranosidase from yeast 4. Antibiotic sensitivity test 5. Measurement of CM-cellulase by viscometric and reducing sugar method. 6. Experiment on production of enzymes and optimizing parameters for enzyme production in shake flask culture using <i>Aspergillus niger</i>, <i>Saccharomyces cerevisiae</i> for production of amylase, invertase respectively. Experiment on production of citric acid and optimizing parameters for citric acid production in shake flask culture using <i>Aspergillus niger</i>. 	
Books Recommended:	
<ol style="list-style-type: none"> 1. Brown TA (1999) Genome. John Wiley & Sons (Asia) PTE. LTD. 2. Goeddel DV (1990) Methods in Enzymology, vol 185, Gene Expression Technology. Academic Press, San Diago. 3. Kaufman PB, Wu W, Kim D and Cseke LJ (1995) Molecular and Cellular Methods in Biology and Medicine. C. Press, Florida. 	

4. EL-Mansi E.M.T. and Bryce C.F.A. Fermentation Microbiology and Biotechnology. Taylor & Francis.
M. Sc. Microbiology
THIRD SEMESTER (July 2020 – December 2020)
PAPER-II: FERMENTATION TECHNOLOGY [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT – I
General Considerations: Fermentation biotechnology – An historical perspective, metabolic pathways and metabolic control mechanisms, primary and secondary metabolites, genetic regulation and catabolite repression, Fermentation kinetics, kinetics of substrate utilization, product formation.
UNIT – II
Types of bio-reactors, their design and instrumentation: Fed batch bio-reactors, continuous stirred tank bio-reactors, plug flow tubular reactors; multiphase reactors, packed bed, bubble column, fluidized bed and trickle bed bio-reactors, animal and plant cell bio-reactors, non-ideal mixing, batch and continuous sterilization, immobilized bio-catalysts, sensors for medium and gases.
UNIT - III
Industrial production of microbial biomass (SCP, and mushrooms), alcohol, organic acid (citric acid, gluconic acid, itaconic acid), amino acids (L- glutamic acid, L- lysine and L-aspartic acid), enzymes and antibiotics (Penicillin), microbial polysaccharides and polyesters.
UNIT – IV
Scale up, instrumentation control, Bio-sensors in bio-process monitoring and control. Downstream processing: Removal of microbial cells and solid matter, precipitation, filtration, centrifugation, disintegration of cells, extraction methods, concentration methods, purification and resolution of mixtures, drying and crystallization.
Lab Course:
<ol style="list-style-type: none"> 1. Experiment on production of alcohol and optimizing parameters for alcohol production in shake flask culture using <i>Saccharomyces cerevisiae</i>. 2. Experiment on production and optimizing parameters for SCP in shake flask culture. 3. Experiment on production of enzymes and optimizing parameters for enzyme production in solid-state fermentation using wheat bran and other agricultural solid waste. 4. Protein purification methods: affinity chromatography, ion exchange and gel filtration. 5. Recovery of products from solid state cultures -Recovery of intracellular products: Cell disruption procedures by sonication, 6. Carbohydrate catabolism by microorganisms (oxidation and fermentation of glucose) 7. Fermentation of carbohydrates.
Books Recommended:
<ul style="list-style-type: none"> • EL-Mansi E.M.T. and Bryce C.F.A. Fermentation Microbiology and Biotechnology. • Alberghina Lilia. Protein Engineering in Industrial Biotechnology.. • Jogdand S. N. Gene Biotechnology. . • O. J. Eugenia, S. G. & Hernandez Elizabeth. Environmental Biotechnology and Cleaner Bioprocesses.

- Prescott & Dunn's. Industrial Microbiology. 4th ed.,.
- Bullock John and Kristiansen Bjorn. Basic Biotechnology.
- A.H. Patel. Industrial Microbiology

M. Sc. Microbiology
THIRD SEMESTER (July 2020 – December 2020)
PAPER III: ENVIRONMENTAL MICROBIOLOGY [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT – I
Distribution and ecology of microorganism, Ecosystem- concept, components, food chains, food webs, and trophic levels. Energy transfer efficiencies between trophic levels. Environmental factors influencing the growth and survival of microorganism. Physical factors- temperature, light, osmotic pressure and hydrostatic pressure. Chemical factors- pH, O ₂ and CO ₂ . Microorganisms of extreme environments: psychrophiles, mesophiles, thermophiles, acidophiles, alkalophiles, halophiles and specific habitats.
UNIT – II
Microbiology of water: aquatic and marine ecosystems, Zonation of water ecosystems: eutrophication, ecology of polluted water, microbiological treatment processes. Waste water disposal and reclamation. Brief account of major water borne diseases and their control measures.
UNIT – III
Soil microbiology: Micro flora of various soil types (bacteria and nematodes): rhizosphere and phyllosphere, Microbial interactions: symbiosis, mutualism, commensalism, competition, amensalism, synergism, parasitism and predation, Phosphate solubilizing organisms, Biogeochemical cycles and Microbes, Biological N ₂ fixing organisms, extracellular enzymes, Ecology of litter decomposition.
UNIT –IV
Biodegradation of lingo-cellulose and hydrocarbons, oil spills and superbug. Composting, treatment of solid and liquid wastes. Bioaccumulation of metals and detoxification- biopesticides; biodeterioration of materials, GMO and their impact.
Lab Course:
<ol style="list-style-type: none"> 1. BOD & COD estimation in water sample 2. Study of microbial contaminants from water and wastewater. 3. Study of air borne microorganisms using various methods. 4. Assay of anti-fungal and antibacterial properties of agro-chemicals and fungicides. 5. Assessment of quality of oils using saponification value, iodine number, and free fatty acid composition. 6. Study of thermophilic microorganisms. 7. Bacteriological examination of water by multiple-tube fermentation test. 8. Determination of coliforms to determine water purity using membrane filter method. 9. Lipase production test.

10. Isolation of Rhizobium from root nodule.
11. Measurement of spore size using micrometry
12. Isolation of microorganisms from rhizosphere and phylloplane.

Books Recommended:

- Michael, T. Madigan; John. M. Mmmartinko and Jack Parker. Brock. Biology of Microorganisms.
- Microbiology of Extreme Environments edited by Clive Edwards
- Olguin J. Eugenia, Sanchez Gloria & Hernandez Elizabeth. Environmental Biotechnology and Cleaner Bioprocesses. Taylor & Francis.
- Michel. R. Introduction to Environmental Microbiology. 1999

M. Sc. Microbiology
THIRD SEMESTER (July 2020 – December 2020)
PAPER-IV: MEDICAL MICROBIOLOGY [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT – I
Normal microbial flora of human body, role of resident flora, host microbe interactions. Classification of medically important microorganisms. Nosocomial infection, common type of hospital infections. Infection and infectious process - routes of transmission of microbes in the body. Source of infection for man; vehicles or reservoirs of infection. Mode of spread of infection. Pathogenesis: Infectivity and virulence
UNIT –II
Classification of pathogenic bacteria. <i>Staphylococcus</i> , <i>Streptococcus</i> , <i>Pneumococcus</i> , <i>Neisseria</i> , <i>Corynebacterium</i> , <i>Bacillus</i> , <i>Clostridium</i> , Non sporing Anaerobes, Organism belonging to Enterobacteriaceae, vibrios, Non fermenting gram negative bacilli <i>Yersinia</i> ; <i>haemophilus</i> ; <i>Bordetelia</i> ; <i>Brucella</i> ; <i>Mycobacteria</i> , <i>Spirochaetes</i> , <i>Actinomycetes</i> ; <i>Rickettsiae</i> , <i>Chlamdiae</i> . Principles of antimicrobial action and resistance of antibiotics. Antimicrobial susceptibility testing.
UNIT- III
General properties of Viruses; Viruses Host Interactions, Pox viruses, Herpes viruses, Adeno viruses; Picarno viruses; Orthomyxo viruses; Paramyxo viruses (Nipah Virus); Arboviruses, Rhabdo viruses, Oncogenic viruses; Filoviridae (Ebola Viruses), Human Immuno deficiency viruses. Anti viral therapy and anticancer compounds.
UNIT- IV
Mycology - Human mycotic infections caused by Dermatophytes, Histoplasma, Cryptococcus, Candida, opportunistic mycoses. Mycotoxins. Description and classification of pathogenic fungi and their laboratory diagnosis. Anti fungal compounds Parasitology - Medical importance of Entamoeba, Giardia, Plasmodium, Taenia, Ascaris, Wucherhiria. Laboratory dignosis of parasitic diseases

Lab Course:

1. Identification of micro flora of mouth, skin and wounds
2. Identification of enteric pathogens by TSIA medium
3. Identification of dermatophytic fungi
4. Identification of important human parasites
5. IMVIC test/other specific tests
6. Identification of Microorganisms from Cell Phone/ contaminated objects.

Books Recommended:

- Prescott & Dunn's. Microbiology. CBS Publishers & Distributors.
- Anantnarayan R and Panikar CKJ: Text book of Microbiology, Orient Blackswan Pvt. Ltd.
- Broude AI: Medical Microbiology and Infectious Diseases, WB Saunders Co.
- Chapel and Haeney: Essentials of Clinical Immunology, Blackwell Scientific Publications
- Forbes BA, Sahm DF and Weissfeld AS: Bailey & Scott's Diagnostic Microbiology, Mosby

M. Sc. Microbiology

FOURTH SEMESTER (January 2021 – June 2021)

PAPER-I: MICROBIAL BIOTECHNOLOGY

[Credit: 4 and Maximum Marks: 80]

Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.

UNIT – I

Techniques of Microbial technology: Scope of genetic engineering, restriction and modification enzymes, ligation and transformation, agarose and polyacrylamide gel electrophoresis, Southern, northern, western blotting, polymerase chain reaction, DNA sequencing, cloning vectors- plasmids, bacteriophages, phagemids, cosmids. YAC, BAC.

UNIT – II

Basics of Genomics, RNA interference, Cloning strategies, cDNA synthesis and cloning, mRNA enrichment, DNA primers, linkers, adaptors and their synthesis, library construction and screening; Cloning interacting genes, two and three hybrid systems, cloning differentially expressed genes, nucleic acid microarrays; Site directed mutagenesis and protein engineering, immobilization techniques.

UNIT – III

Microbial screening, selection and strain improvement, bacterial enterotoxins, peptide hormone, interferons. Biofertilizers, biopesticides, enzyme electrodes, enzyme in pulp and paper industry, Bioremediation. Bioleaching.

UNIT – IV

Role of national and international organization in biotechnology, cooperative efforts, government programs for biotechnology development and applications, patenting biotechnological process and products in different fields, regulation for bio-hazardous products.

Lab Course:	
1.	Bacterial culture and antibiotic selection media. Preparation of competent cells.
2.	Isolation of plasmid DNA.
3.	Isolation of Lambda phage DNA.
4.	Estimation of nucleic acids.
5.	Agarose gel electrophoresis and restriction mapping of DNA.
6.	Construction of restriction map of plasmid DNA.
7.	Cloning in plasmid/phagemid vectors.
8.	Preparation of single stranded DNA template.
9.	Gene expression in <i>E. coli</i> and analysis of gene product
10.	PCR
Books Recommended:	
1.	Bruce A White (1997) PCR Cloning Protocols.
2.	Bruce Birren, Eric D Green, Sue Klapholz, Trichard M Myers, Horal Riethman, & Jane Roskenus (1999) Genome Analysis: A Lab Manual vol.1,vol.2,vol.3, Daniel L Hartl, Elizabeth & Jones W (1998) Genetics: Principles and Analysis.
3.	Davies JA & Rez WS (1992) Milestones in Biotechnology Classic papers on Genetic Engineering. Glick Molecular Biotechnology.
4.	Glover DM and Hames BD (1995) DNA Cloning: A practical approach, IRL Press, Oxford.
5.	Kaufman PB, Wu W, Kim D and Cseke LJ (1995) Molecular and Cellular Methods in Biology and Medicine. C. Press, Florida.
6.	Kingsman SM & Kingsman AJ (1998) Genetic Engineering. An Introduction to gene analysis and exploitation in eukaryotes. Blackwell Scientific Publishers, Oxford.
7.	Mickloss DA & Freyer GA (1990) DNA Science. A First Course in Recombinant Technology. Cold Spring Laboratory Press, New York
8.	Primrose SB (1994) Molecular Biotechnology (2 nd Edition). Blackwell Scientific Publishers, Oxford.
9.	Sambrook, Fritsch EF and Maniatis (2000). Molecular Cloning: A Laboratory Manual. Cold Spring Laboratory Press, New York
10.	Sambrook & Russell (2001) Molecular Cloning: A lab Manual (3 rd Edition). Cold Spring Harbor Lab Press.
11.	Strickberger MW (2000) Genetics (3 rd Edition), Prentice Hall of India Pvt. Ltd.
12.	Walker MR & Rapley R (1997) Route Maps in Gene Technology. Blackwell Scientific Publishers, Oxford.
13.	Watson JD, Gilman N, Witkowski, Mark, Zoller . Recombinant DNA , Scientific American Books.
14.	John Bullock and Bjorn Kristiansen. Basic Biotechnology Academic Press

M. Sc. Microbiology
FOURTH SEMESTER (January 2021 – June 2021)
PAPER-II: ADVANCED IMMUNOLOGY, PROPHYLAXIS AND DIAGNOSTICS
[Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT – I

Generation of diversity in BCR. Light and heavy chain gene recombination. Recombination Signal sequences. Class switching. Membrane and secreted immunoglobulins. Organization, arrangement of T-cell receptor genes and recombination.
Regulation of immune response by antigen, antibody, immune complex, MHC and cytokines.

UNIT – II

Immunoprophylaxis: Principles of Vaccination. Immunization practices. Vaccines against important bacterial and parasitic diseases. DNA vaccines; passive prophylactic measures. Viral vaccines and antiviral agents. Vaccination schedules and safety. Production of vaccines.

UNIT – III

Diagnosis of microbial diseases - Collection, transport and preliminary processing of Clinical pathogens. Clinical, microbiological, immunological and molecular diagnosis of diseases. Principles of immunodiagnosics. Antigen-antibody based diagnosis and the techniques involved – Enzyme, Radio and Fluorescence Immuno assays, Immunoblotting, Flow cytometry. Effector cell assays, Cytotoxic assays. Isolation of pure antibody. Monoclonal & Designer antibody and their application in immunodiagnosics.

UNIT – IV

Modern methods of microbial diagnosis. Use of nanotechnology in diagnosis. Synthesis of Nanomaterials, Nanoparticle based drug delivery, Toxicity and environmental risks of nanomaterials. Biosensors: Biosensor-development, types and characteristics, DNA biosensors, application of biosensors in clinical diagnostics: detection of infectious diseases, food pathogen and environmental monitoring.

Lab Course:

1. Preparation of Parasite/ microbe Antigen and analysis by PAGE
2. Immunizations and Production of Antibody
3. Antigen antibody reaction by Double Diffusion, Counter Current and IEP, RID and ELISA
4. Western Blot Analysis
5. Immunodiagnosis using commercial kits (VDRL, RPR, Widal etc.)
6. Identifications of nanomaterials using physical and chemical properties.
7. Green and chemical route for synthesis of nanomaterials.
8. Nanomaterial characterizations using UV-Vis and FT-IR spectroscopy.
9. Assessment of antibacterial properties of nanomaterials.
10. Identification of different analyte/ biomolecules for biosensing system.

Books Recommended:

- Prescott and Dunn's. Microbiology. CBS Publishers & Distributors
- Anantnarayan R and Panikar CKJ: Text book of Microbiology, Orient Blackswan Pvt. Ltd.
- Broude AI: Medical Microbiology and Infectious Diseases, WB Saunders Co.
- Chapel and Haeney: Essentials of Clinical Immunology, Blackwell Scientific Publications
- Kuby's Immunology: R.A. Goldsby, Thomas J Kindt and Barbara A. Osborne
- Immunology- A short Course: E. Benjamini, R. Coico and G. Sunshine
- Immunology: Roitt, Brostoff and Male
- Forbes BA, Sahm DF and Weissfeld AS: Bailey & Scott's Diagnostic Microbiology, Mosby
- Nanotechnology: Basic science and Emerging technologies, M. Wilson, K. Kannangara, G Smith, M. Simmons, B. Raguse, Overseas Press India Pvt. Ltd, New Delhi, First Edition, 2005.
- Nanostructures and Nanomaterials: Synthesis, G. Cao, properties and applications, Imperial College Press, 2004.
- Nanomaterials for medical diagnosis and therapy, Challa S.S.R. Kumar, Wiley-VCH, 2007.
- Introduction to Nanotechnology - Charles P. Poole Jr. and Franks. J. Qwens, Publisher: Wiley.
- Nanobiotechnology: Concepts, Applications and Perspectives- Christof M. Niemeyer (Editor), Chad A. Mirkin (Editor), 2004, WILEY-VCH, Verlag Gmb H & Co.

M. Sc. Microbiology	
FOURTH SEMESTER (January 2021 – June 2021)	
Special Paper - PAPER-III (A): FOOD MICROBIOLOGY [Credit: 4 and Maximum Marks: 80]	
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.	
UNIT- I	
Microbial flora of fresh food, grains, fruits, vegetables, milk, meat, eggs and fish. Microbiological examination of foods for their infestation by bacteria, fungi & viruses. Chemical preservatives and food additives. Factors influencing microbial growth in food- Extrinsic and intrinsic factors. Food as a substrate for micro-organism.	
UNIT- II	
Canning, processing for heat treatment - D, Z and F values and working out treatment parameters; microbial spoilage of canned foods, detection of spoilage and characterization. Mold and mycotoxin contamination of food, aflatoxins, ochratoxins, trichothenes, zearalenone, ergot mycotoxins. Role of microorganisms in beverages– beer, wine and vinegar fermentation.	
UNIT- III	
The roles of microorganisms in the food industry, positive and negative perspectives. Food-borne infections: <i>Bacillus</i> , <i>Clostridium</i> , <i>Escherichia</i> , <i>Salmonella</i> , <i>Shigella</i> , <i>Staphylococcus</i> , <i>Vibrio</i> , nematodes, protozoa, algae, fungi and viruses. Food borne outbreak- laboratory testing procedures; Sources and transmission of bacteria in foods: human, animal, and environmental reservoirs.	
UNIT- IV	
Food preservation and quality control. Government Agency and Food Safety Policy: Government Branches (FDA, CDC, USDA and how they work to control food safety), HACCP, Risk Assessment. Biosensor for the detection of food pathogens.	
Lab Course:	
1. Isolation and identification of microorganisms from fermented food, fruits, cereal grains and oil seeds. 2. Determination of quality of milk sample by methylene blue reductase test.	
Books Recommended:	
<ul style="list-style-type: none"> M.R. Adams and M.O. Moss: Food Microbiology, Royal Society, Cambridge William, C. Frazier and Dennis C. Westhoff: Food Microbiology, Tata McGraw Hill Banwart GJ: Food Microbiology CBS Publishers & Distributors, New Delhi. Hobbs BC and Roberts D: Food Poisoning and Food Hygiene, Edward Arnold, London 	

M. Sc. Microbiology
FOURTH SEMESTER (January 2021 – June 2021)
Special Paper - PAPER-III (B): MICROBIAL ECOLOGY [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT- I
History, significance and developments in the field of microbial ecology Contributions of Beijerinck, Winogradsky, Kluver, Van Niel, Martin Alexander, Selman A. Waksman, Environmental chemistry, Atmospheric pollutants, Types of wastes, The Atmosphere, Organization of life, Ecosystems.
UNIT- II
Microorganisms & their natural habitats A. Terrestrial Environment: Soil characteristics, Soil profile, Soil formation, Soil as a natural habitat of microbes, Soil microflora B. Aquatic Environment: Stratification & Microflora of Freshwater & Marine habitats. Atmosphere: Stratification of the Atmosphere, Aeromicroflora, Dispersal of Microbes D. Animal Environment: Microbes in/on human body (Microbiomics) & animal (ruminants) body. E. Extreme Habitats: Extremophiles: Microbes thriving at high & low temperatures, pH, high hydrostatic & osmotic pressures, salinity, & low nutrient levels.
UNIT- III
Succession of microbial communities in the decomposition of plant organic matter Biological Interactions. A. Microbe–Microbe Interactions: Mutualism, Synergism, Commensalism, Competition, Amensalism, Parasitism, Predation, Biocontrol agents. B. Microbe–Plant Interactions: Roots, Aerial Plant surfaces, Biological Nitrogen fixation (symbiotic/nonsymbiotic - biofertilizers) C. Microbe–Animal Interactions: Role of Microbes in Ruminants, Nematophagus fungi, Luminescent bacteria as symbiont.
UNIT- IV
Biogeochemical cycles an introduction. Carbon cycle: Microbial degradation of polysaccharide (cellulose, hemicellulose, lignin, chitin) Nitrogen cycle: Ammonification, nitrification, denitrification & nitrate reduction. Nitrate pollution. Phosphorous cycle: Phosphate immobilization and phosphate solubilization. Sulphur Cycle: Microbes involved in sulphur cycle.
Lab Course:
Analysis of soil - pH, moisture content, water holding capacity, percolation, capillary action

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Syllabi of M. Sc. Microbiology: 2019-21

Isolation of microbes (bacteria & fungi) from soil (28°C & 45°C) Isolation of microbes (bacteria & fungi) from rhizosphere and rhizoplane.

Detection (qualitative) of the presence of enzymes (dehydrogenase, amylase, urease) in soil.

Isolation of Rhizobium from root nodules of legumes.

Isolation of Azotobacter/Azospirillum from soil.

Isolation of phosphate solubilizers from soil.

Books Recommended:

- Atlas RM and Bartha R. (2000). Microbial Ecology: Fundamentals & Applications. 4th edition. Benjamin/Cummings Science Publishing, USA.
- Atlas RM. (1989). Microbiology: Fundamentals and Applications. 2nd Edition, MacMillan Publishing Company, New York.
- Madigan MT, Martinko JM and Parker J. (2009). Brock Biology of Microorganisms. 12th edition. Pearson/ Benjamin Cummings.
- Campbell RE. (1983). Microbial Ecology. Blackwell Scientific Publication, Oxford, England.
- Coyne MS. (2001). Soil Microbiology: An Exploratory Approach. Delmar Thomson Learning.
- Lynch JM & Hobbie JE. (1988). Microorganisms in Action: Concepts & Application in Microbial Ecology. Blackwell Scientific Publication, U.K.
- Maier RM, Pepper IL and Gerba CP. (2009). Environmental Microbiology. 2nd edition, Academic Press.
- Martin A. (1977). An Introduction to Soil Microbiology. 2nd edition. John Wiley & Sons Inc. New York & London.
- Stolp H. (1988). Microbial Ecology: Organisms Habitats Activities. Cambridge University Press, Cambridge, England.
- Subba Rao NS. (1999). Soil Microbiology. 4th edition. Oxford & IBH Publishing Co. New Delhi.

M. Sc. Microbiology
FOURTH SEMESTER (January 2021 – June 2021)
Special Paper - PAPER-IV (A): AGRICULTURE MICROBIOLOGY [Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT- I
Structure and characteristic features of the following biofertilizer organisms: Bacteria: Azospirillum, Azotobacter, Bacillus, Pseudomonas, Rhizobium and Frankia. Cyanobacteria: Anabaena, Nostoc, Fungi: Glomus, Gigaspora, Sclerocystis, Amanita, Laccaria. Biofertilization processes - Decomposition of organic matter and soil fertility and vermicomposting. Mechanism of phosphate solubilization and phosphate mobilization.
UNIT- II
Biofertilizers – biological nitrogen fixation – nitrogenase enzyme – symbiotic nitrogen fixation- (Rhizobium, Frankia) – non symbiotic nitrogen fixation (Azotobacter - Azospirillum), VAM- ecto- endo- ectendo mycorrhizae and their importance in agriculture.

UNIT- III
Major biogeochemical cycles and the organisms: carbon – nitrogen - phosphorous and sulphur. Biopesticides: toxin from <i>Bacillus thuringiensis</i> , <i>Psuedomonas syringae</i> . Biological control - use of Baculovirus, protozoa and fungi.
UNIT- IV
Microbial diseases of crop plants: symptoms, causal organisms and control. Fungal diseases (Late blight of potato, Tikka disease of groundnut, red rot of sugarcane). Bacterial diseases (bacterial blight of rice, citrus canker, Tundu disease of wheat) and Viral diseases (Tobacco mosaic, leaf curl of papaya, yellow vein mosaic of bhindi).
Lab Course:
<ol style="list-style-type: none"> 1. Isolation and enumeration of bacteria from different soil type. 2. Isolation and enumeration of fungi from different soil type 3. Preparation of Winogradsky Column to study the various soil microflora. 4. Isolation of Rhizobium from root nodules. 5. Isolation of Azotobacter from soil. 6. Isolation of Cyanobacteria from paddy field. 7. Measurement of pH of soil sample.
Books Recommended:
<ul style="list-style-type: none"> • Bagyraj and Rangasamy: Agricultural Microbiology

M. Sc. Microbiology
FOURTH SEMESTER (January 2021 – June 2021)
Special Paper - PAPER-IV (B): INDUSTRIAL MICROBIOLOGY
[Credit: 4 and Maximum Marks: 80]
Each theory paper will have questions divided into four sections, A, B, C & D. Section A will have 20 MCQ of 1 mark each covering whole syllabus. Section B will have 8 very short answer questions, two from each unit, of 2 marks each to be answered in two to three lines. Section C will have 8 questions, two from each unit, of 3 marks each. The question has to be answered in about 75 words. Section D will have 4 questions, one from each unit with internal choice, of 5 marks each. The question has to be answered in about 150 words.
UNIT- I
Introduction to industrial microbiology Brief history and developments in industrial microbiology Fermentation processes Solid-state and liquid-state (stationary and submerged) fermentations; Batch, fedbatch and continuous fermentations
UNIT- II
Bioreactors/fermenters Components of a typical bioreactor, types of bioreactors-Laboratory, pilot- scale and production fermenters; constantly stirred tank fermenter, tower fermenter, fixed bed and fluidized bed bioreactors and air-lift fermenter.

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UNIT- III
Control parameters, industrially important strains, media ingredients Measurement and control of fermentation parameters Control and monitoring of different parameters in a bioreactor; pH, temperature, dissolved oxygen, foaming and aeration Isolation of industrially important microbial strains Primary and secondary screening, strain development, preservation and maintenance of industrial strains Media and ingredients for industrial fermentations Crude and synthetic media; molasses, corn-steep liquor, sulphite waste liquor, whey and yeast extract.
UNIT- IV
Down-stream Processing Filtration, centrifugation, cell disruption, solvent extraction, precipitation and ultrafiltration, lyophilization, spray drying
Lab Course:
1. Microbial fermentations for the production and estimation (qualitative and quantitative) of: (a) Enzyme: Amylase (b) Amino acid: Glutamic acid (c) Organic acid: Citric acid (d) Alcohol: Ethanol (e) Antibiotic: Penicillin 2. A visit to any educational institute/ industry to see an industrial fermenter, and other downstream processing operations.
Books Recommended:
<ul style="list-style-type: none"> Casida LE. (1991). Industrial Microbiology. 1st edition. Wiley Eastern Limited. Crueger W and Crueger A. (2000). Biotechnology: A textbook of Industrial Microbiology. 2nd edition. Panima Publishing Co. New Delhi. Patel AH. (1996). Industrial Microbiology. 1st edition, Macmillan India Limited. Stanbury PF, Whitaker A and Hall SJ. (2006). Principles of Fermentation Technology. 2nd edition, Elsevier Science Ltd.

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 A. S. S.
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 M. D. S. S.
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Pt. Ravishankar Shukla University, Raipur (Chhattisgarh)
School of Studies in Life science (Syllabus 2018-2020)

Choice Based Syllabus for Second Semester (January-June)

Elective Paper: Plant Cosmetics

Credit: 3; Maximum marks 80+20

Flowering plants: Commercial Plant bioregulators for rooting, flowering, fruiting and seed setting. Plant cosmetics for; colour, texture, brightness and longevity of flowers and leaves, Plant cosmetics in enhancing the quantity and quality of biomolecules of medicinal plants; tissue and root culture.

Non-flowering plants: Plant cosmetics for; bushy nature, bright and colour leaves of crotons and other plants. Plant cosmetics for leafy plants, aromatic plants, indoor plants and lawn grass.

Plant bio regulators in plant based technology for; Cut, vase flowers, orchid cut-flower industry and bonsai plants. Post-harvest management and marketing issues of flowers, fruits and seeds.

Plant cosmetics in rose flower industry; positive response in stem length, pedicel length, longevity of buds and flower head, compactness and fresh weight.

Books Recommended:

Fosket DF	Plant Growth & Development
Leopold AC & Kriedemann PE	Plant Growth & Development
Moore TC	Biochemistry & Physiology of Hormones
L Taiz & E Zeiger	Plant Physiology
BB Buchanan, W Gruissem & RL Jones	Biochemistry and Molecular Biology of Plants
MB Wilkins	Advanced Plant Physiology
JA Hopkins	Introduction to Plant Physiology
FB Salisbury & CW Ross	Plant Physiology
Hans-Walter Heldt	Plant biochemistry & Molecular Biology

Choice Based Syllabus for Second Semester (January-June)

Elective Paper: Economic Zoology

Credit: 3; Maximum marks 80+20

Economic Entomology:

Sericulture: silk moth and worm, mulberry silk worm, economic importance of silk. Apiculture: honey bees and its social organization, methods of bee keeping, products of bee keeping and its economic importance. Lac culture: lac insect, cultivation of lac, lac composition, economic importance of lac. Insect Pest Management: Biological, hormonal and pheromonal control.

Aquaculture:

Fish culture: types of fish culture in India, methods of fishing, by-product of fishing industry. Prawn culture: culture of fresh water prawn, methods of prawn fishing, preservation and processing of prawn. Pearl culture: pearl formation, pearl industry and artificial insertion of nucleus, harvesting and composition of pearl.

Poultry:

Quail (Bater) farming: general characteristics of quail, egg production and hatching, brooding and rearing, management of adult quail. Quail housing equipments, nutrition, products technology (egg, meat and their products).

Books Recommended

1. Shukla & Upadhyaya: Economic Zoology, Rastogi Publication, Meerut
2. Panda et al: Quail production technology, Central avian research institute, Izatnagar
3. Venketaraman: Economic Zoology, Sudarsana Publication
4. Srivastava: A Text Book of Applied Entomology, Vol. II & III, Kalyani Publication

School of Life Sciences, PRSU, Raipur

Choice Based Syllabus for Third Semester (July- December)

Elective Paper: Vector Borne Diseases

Credit: 3; Maximum marks 80+20

Vectors

Definition; importance of studying vectors. A brief introduction of the various types of vectors including Arthropods and Molluscs and their ecological aspects related to disease transmission.

Vector borne diseases

An overview; Brief introduction of important vector borne diseases including Malaria, Chickungunia, Japanese encephalitis, Trypanosomiasis, Leishmaniasis, Lymphatic filariasis, Oncocerciasis, Tick borne diseases, Schistosomiasis.

Prevention and control of vectors

Vectors and their control: Chemical and biological methods, environmental management, community and personal prophylaxis.

Meeting challenges and role of public health stake holders in controlling vector borne diseases

Books Recommended

1. Chatterjee KD: Medical Parasitology
2. Park and Park: Preventive and Social Medicine
3. JC Cheng: A Text Book of Human Parasitology
4. Anantnarayana and Panicker: A Text Book of Medical Microbiology

Choice Based Syllabus for Third Semester (July-December)

Elective Paper: Rhythms in Life

Credit: 3; Maximum marks 80+20

Origin and evolution of rhythms; Types of rhythms and how to study rhythms?

Historical developments in chronobiology. Different types of geophysical and biological cycles with examples of circadian, ultradian and infradian rhythms. Autorhythmometry

Rhythms are ubiquitous from microbe to man

Characteristics of circadian rhythm: Free-run, Temperature and nutrition compensation, and Entrainment. Zeitgeber Time (ZT) and Circadian Time (CT). Example of circadian rhythms in plants, cyanobacteria, fungi, *Drosophila*, fish, mammals, and humans.

Application of principles of chronobiology to augment human welfare

Application of principles of Chronobiology in management of diseases with specific examples based on cancer and sleep disorders; and Shift work and Jet Lag

Recommended Books

S Binkley	Biological Clocks – Your Owner's Manual
MK Chandrashekar	Time in the Living World
R Refinetti	Circadian Physiology
JC Dunlap, JJ Loros & PJ DeCoursey	Chronobiology: Biological timekeeping
WG van Doorn and U van Meeteren	Flower opening and closure: a review
AK Pati	Chronobiology: The dimension of time in biology and medicine; PINSa (Biological Sciences), PART B 67 (6), 323-372, 2001
AK Pati, A Chandrawanshi, A Reinberg	Shift work: Consequences and management, Current Science, 81 (1), 32-52, 2001
AK Pati, A Parganiha	Shift work: Circadian rhythm disruption and beyond PINSa (Biological Sciences), PART B 71 (5/6), 229, 2005
AK Pati	Chronobiology: Implications of circadian rhythms, National Academy Science letters 27 (7-8), 233-248, 2004.
JD Palmer	The living clock

Pt. Ravishankar Shukla University, Raipur**Ph.D. Course Work Syllabi of Life Science (Academic Session: 2020-2021)****Syllabus for Ph.D. Course Work in Bioscience (2020-2021)****One Semester**

There are Two papers; each with 100 maximum marks. The candidate must obtain 50% or more marks in each paper independently to qualify in the course work. The answer papers will be assessed independently by two examiners.

No.	Name of paper	Lectures	Marks
Paper I	Research Methodology, Advanced Tools & Techniques, Quantitative Data Analyses and Computer Fundamentals	--	100
A	Research Methodology:	26	30
	Introduction and Scope	2L	
	Research problem: Identification, Selection, Formulation of research objectives		
	Research design: Components, Importance, Types	3L	
	Types of data, Data collection - Methods and Tools	2L	
	Research ethics, Institutional ethics committee	2L	
	Plagiarism – Pitfall, Regulation [UGC, ICMR, ICAR, DBT]	2L	
	Patents and IPR: Patent laws, process of patenting a research finding, Copy right, Cyber laws	3L	
	Bibliometrics: Measurement of academic output- Citation Index: Science Citation Index (SCI), h-index, i-10-index. Journal Impact Factor (JIF); Style of Bibliography, Project, research paper and review writing Literature search technique using SCOPUS, Google Scholar, PUBMED, Web of Science	12L	
B	Advanced Tools & Techniques: Principle, protocol and application	20	25
	Microscopic, Microtomy and Histological techniques	5L	
	Chromatography – GLC & HPLC, Electrophoresis	5L	
	DNA laddering, DNA methylation, Comet Assay	5L	
	PCR, Real time PCR, DNA microarray, DNA sequencing, Protein sequencing	5L	
C	Quantitative Data Analyses	20	25
	Hypothesis testing	2L	
	Normal and Binomial distributions and their property	3L	
	Tests of significance: Student t-test, F-test, Chi-square test	5L	
	Correlation and Regression	4L	
	ANOVA – One-way and Two-way, Multiple-range test	6L	
D	Computer Fundamentals	14	20
	Introduction to MS-Office software: MS-Word (Track change)	2L	
	MS-Excel, Power Point and Access	6L	
	Features for Statistical data analysis using computers and software, Microsoft Excel Data Analysis ToolPak, SPSS	6L	

Paper II	Review of Literature & Seminar	--	100
A	Review of Literature – Writing review of literature in the area of the proposed Ph.D. work		50
B	Seminar – Based on the review of literature		50

Pt. Ravishankar Shukla University, Raipur

Ph.D. Course Work Syllabi of Life Science (Academic Session: 2020-2021)

Recommended Books:

AI Vogel	Analytical chemistry
Buranen L and Roy AM	Perspectives on Plagiarism and Intellectual Property in a Post-Modern World
Campbell RC	Statistics for biologists
Cassel P et al.	Inside Microsoft Office Professional
Chatwal and Chatwal	Instrumentation
Coleman P and Dyson P	Mastering Internets
CR Kothari	Research Methodology: Methods & techniques, 2008
Gilmore B	Plagiarism: Why it happens, How to prevent it?
Gralla P	How the Internet Works
Habraken J	Microsoft® Office 2003 All in One, Microsoft® Office 2010 In Depth
Kumar Anupa P	Cyber Law
R Panneerselvam	Research Methodology
Shelly GB, Vermaat ME, Cashman TJ	Microsoft® 2007: Introductory Concepts and Techniques
Snedecor GW & Cochran WG	Statistical Methods
Sokal RR & Rohlf FJ	Introduction to Biostatistics
Sood V	Cyber Law Simplified
Sumner M	Computers: Concepts & Uses
Upadhyaya and Upadhyaya	Instrumentation
Wardlaw AC	Practical Statistics for Experimental Biologists
White R	How Computers Work
Zar JH	Biostatistical Analysis

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Pt. Ravishankar Shukla University, Raipur

Ph.D. Course Work Syllabi of Life Science (Academic Session: 2020-2021)

Syllabus for Ph.D. Course Work in Biochemistry (2020-2021)			
One Semester			
There are Two papers; each with 100 maximum marks. The candidate must obtain 50% or more marks in each paper independently to qualify in the course work. The answer papers will be assessed independently by two examiners.			
No.	Name of paper	Lectures	Marks
Paper I	Research Methodology, Advanced Tools & Techniques, Quantitative Data Analyses and Computer Fundamentals	--	100
A	Research Methodology:	26	30
	Introduction and Scope	2L	
	Research problem: Identification, Selection, Formulation of research objectives		
	Research design: Components, Importance, Types	3L	
	Types of data, Data collection - Methods and Tools	2L	
	Research ethics, Institutional ethics committee	2L	
	Plagiarism – Pitfall, Regulation [UGC, ICMR, ICAR, DBT]	2L	
	Patents and IPR: Patent laws, process of patenting a research finding, Copy right, Cyber laws	3L	
	Bibliometrics: Measurement of academic output- Citation Index: Science Citation Index (SCI), h-index, i-10-index. Journal Impact Factor (JIF); Style of Bibliography, Project, research paper and review writing Literature search technique using SCOPUS, Google Scholar, PUBMED, Web of Science	12L	
B	Advanced Tools & Techniques: Principle, protocol and application	20	25
	Microscopic , Microtomy and Histological techniques	5L	
	Chromatography – GLC & HPLC, Electrophoresis	5L	
	DNA laddering, DNA methylation, Comet Assay	5L	
	PCR, Real time PCR, DNA microarray, DNA sequencing, Protein sequencing	5L	
C	Quantitative Data Analyses	20	25
	Hypothesis testing	2L	
	Normal and Binomial distributions and their property	3L	
	Tests of significance: Student t-test, F-test, Chi-square test	5L	
	Correlation and Regression	4L	
	ANOVA – One-way and Two-way, Multiple-range test	6L	
D	Computer Fundamentals	14	20
	Introduction to MS-Office software: MS-Word (Track change)	2L	
	MS-Excel, Power Point and Access	6L	
	Features for Statistical data analysis using computers and software, Microsoft Excel Data Analysis ToolPak, SPSS	6L	

Paper II	Review of Literature & Seminar	--	100
A	Review of Literature – Writing review of literature in the area of the proposed Ph.D. work		50
B	Seminar – Based on the review of literature		50

Pt. Ravishankar Shukla University, Raipur

Ph.D. Course Work Syllabi of Life Science (Academic Session: 2020-2021)

Recommended Books:

Al Vogel	Analytical chemistry
Buranen L and Roy AM	Perspectives on Plagiarism and Intellectual Property in a Post-Modern World
Campbell RC	Statistics for biologists
Cassel P <i>et al.</i>	Inside Microsoft Office Professional
Chatwal and Chatwal	Instrumentation
Coleman P and Dyson P	Mastering Internets
CR Kothari	Research Methodology: Methods & techniques, 2008
Gilmore B	Plagiarism: Why it happens, How to prevent it?
Gralla P	How the Internet Works
Habraken J	Microsoft® Office 2003 All in One, Microsoft® Office 2010 In Depth
Kumar Anupa P	Cyber Law
R Panneerselvam	Research Methodology
Shelly GB, Vermaat ME, Cashman TJ	Microsoft® 2007: Introductory Concepts and Techniques
Snedecor GW & Cochran WG	Statistical Methods
Sokal RR & Rohlf FJ	Introduction to Biostatistics
Sood V	Cyber Law Simplified
Sumner M	Computers: Concepts & Uses
Upadhyaya and Upadhyaya	Instrumentation
Wardlaw AC	Practical Statistics for Experimental Biologists
White R	How Computers Work
Zar JH	Biostatistical Analysis

S. K. Sood
17/01/2020

P. K. Sood
17.01.20

ASH
17/1/20

Levy
17/1/20

Agarwal
17/1/20

Kishan
17/1/20

MDewani
17/01/2020

Aug
17.1.20

Pt. Ravishankar Shukla University, Raipur**Ph.D. Course Work Syllabi of Life Science (Academic Session: 2020-2021)****Syllabus for Ph.D. Course Work in Microbiology (2020-2021)****One Semester**

There are Two papers; each with 100 maximum marks. The candidate must obtain 50% or more marks in each paper independently to qualify in the course work. The answer papers will be assessed independently by two examiners.

No.	Name of paper	Lectures	Marks
Paper I	Research Methodology, Advanced Tools & Techniques, Quantitative Data Analyses and Computer Fundamentals	--	100
A	Research Methodology:	26	30
	Introduction and Scope	2L	
	Research problem: Identification, Selection, Formulation of research objectives		
	Research design: Components, Importance, Types	3L	
	Types of data, Data collection - Methods and Tools	2L	
	Research ethics, Institutional ethics committee	2L	
	Plagiarism – Pitfall, Regulation [UGC, ICMR, ICAR, DBT]	2L	
	Patents and IPR: Patent laws, process of patenting a research finding, Copy right, Cyber laws	3L	
	Bibliometrics: Measurement of academic output- Citation Index: Science Citation Index (SCI), h-index, i-10-index. Journal Impact Factor (JIF); Style of Bibliography, Project, research paper and review writing Literature search technique using SCOPUS, Google Scholar, PUBMED, Web of Science	12L	
B	Advanced Tools & Techniques: Principle, protocol and application	20	25
	Microscopic, Microtomy and Histological techniques	5L	
	Chromatography – GLC & HPLC, Electrophoresis	5L	
	DNA laddering, DNA methylation, Comet Assay	5L	
	PCR, Real time PCR, DNA microarray, DNA sequencing, Protein sequencing	5L	
C	Quantitative Data Analyses	20	25
	Hypothesis testing	2L	
	Normal and Binomial distributions and their property	3L	
	Tests of significance: Student <i>t</i> -test, <i>F</i> -test, <i>Chi-square</i> test	5L	
	Correlation and Regression	4L	
	ANOVA – One-way and Two-way, Multiple-range test	6L	
D	Computer Fundamentals	14	20
	Introduction to MS-Office software: MS-Word (Track change)	2L	
	MS-Excel, Power Point and Access	6L	
	Features for Statistical data analysis using computers and software, Microsoft Excel Data Analysis ToolPak, SPSS	6L	

Paper II	Review of Literature & Seminar	--	100
A	Review of Literature – Writing review of literature in the area of the proposed Ph.D. work		50
B	Seminar – Based on the review of literature		50

Pt. Ravishankar Shukla University, Raipur

Page 1 of 2

Syllabus for Ph.D. Course Work in Zoology (2019-2020)			
One Semester			
There are Two papers; each with 100 maximum marks. The candidate must obtain 50% or more marks in each paper independently to qualify in the course work. The answer papers will be assessed independently by two examiners.			
No.	Name of paper	Lecture s	Marks
Paper I	Research Methodology, Advanced Tools & Techniques, Quantitative Data Analyses and Computer Fundamentals	-	100
	A Research Methodology:	26	30
	Introduction and Scope	2L	
	Research problem: Identification, Selection, Formulation of research objectives		
	Research design: Components, Importance, Types	3L	
	Types of data, Data collection: Methods and Tools	2L	
	Research ethics, Institutional ethics committee	2L	
	Plagiarism – Pitfall, Regulation [UGC, ICMR, ICAR, DBT]	2L	
	Patents and IPR: Patent laws, process of patenting a research finding, Copy right, Cyber laws	3L	
	Bibliometrics: Measurement of academic output-Citation Index: Science Citation Index (SCI), h-Index, I-10-index, Journal Impact Factor (JIF); Style of Bibliography, Project, research paper and review writing	7L	
	Literature search technique using SCOPUS, Google Scholar, PUBMED, Web of Science		
	B Advanced Tools & Techniques: Principle, protocol and application	20	25
	Microscopic, Microtomy and Histological techniques	5L	
	Chromatography – GLC & HPLC, Electrophoresis	5L	
	DNA laddering, DNA methylation, Comet Assay	5L	
	PCR, Real time PCR, DNA microarray, DNA sequencing, Protein sequencing	5L	
	C Quantitative Data Analyses	20	25
	Hypothesis testing	2L	
	Normal and Binomial distributions and their property	3L	
	Tests of significance: Student t-test, F-test, Chi-square test	5L	
	Correlation and Regression	4L	
	ANOVA – One-way and Two-way, Multiple-range test	6L	
	D Computer Fundamentals	14	20
	Introduction to MS-Office software: MS-Word (Track change)	2L	
	MS-Excel, Power Point and Access	6L	
	Features for Statistical data analysis using computers and software, Microsoft Excel Data Analysis ToolPak, SPSS	6L	

Paper II	Review of Literature & Seminar	-	100
	A Review of Literature – Writing review of literature in the area of the proposed Ph.D. work		50
	B Seminar – Based on the review of literature		50



साहित्य एवं भाषा-अध्ययनशाला
पं० रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.) पि.न.-492010

क्रमांक 107/साहि.एवं भाषा/19
प्रति,

रायपुर दिनांक: 14.11.2019

उपकुलसचिव (अकादमी)
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर, छ.ग.

विषय: एम. ए. भाषाविज्ञान सेमेस्टर का पाठ्यक्रम जमा करने के संबंध में।
महोदय,

उपर्युक्त विषय के अनुक्रम में उल्लेख है कि आज दिनांक 14.11.2019 को एम.ए. भाषाविज्ञान सेमेस्टर, सत्र 2019-2020 के पाठ्यक्रम की कॉपी आप की ओर अग्रेषित है। कृपया जमा करने की कृपा करें।

आलो ७ दिनांक
18/11/19

शैलशम
अध्यक्ष

एम.ए. भाषाविज्ञान (सेमेस्टर पदति) : 2019–2020
M.A. LINGUISTICS : (SEMESTER SYSTEM)
प्रथम सेमेस्टर FIRST SEMESTER

प्रश्न पत्र प्रश्न-पत्र का नाम Paper Title of the Paper	Theory	Internal	M.M
1 भाषाविज्ञान का परिचय एवं भारतीय भाषावित्तन परंपरा Introduction to Linguistics and Indian Linguistic Tradition	80	20	100
2 भाषा की प्रयोजनीयता Functionality of Language	80	20	100
3 ध्वनिकी एवं ध्वनिमी-Phonetics and Phonemics	80	20	100
4 रूपविज्ञान- Morphology-I	80	20	100

द्वितीय सेमेस्टर SECOND SEMESTER

प्रश्न पत्र प्रश्न-पत्र का नाम Paper Title of the Paper	Theory	Internal	M.M
5 अर्थविज्ञान Semantics	80	20	100
6 शैलीविज्ञान Stylistics	80	20	100
7 ध्वनिकी एवं ध्वनिमी-II Phonetics and Phonemics-II	80	20	100
8 रूपविज्ञान II – Morphology-II	80	20	100

तृतीय सेमेस्टर THIRD SEMESTER

प्रश्न पत्र प्रश्न-पत्र का नाम Paper Title of the Paper	Theory	Internal	M.M
9 वाक्यविज्ञान Syntax	80	20	100
10 भाषा एवं समाज Language and Society	80	20	100
11 मनोभाषाविज्ञान एवं द्वितीय भाषाशिक्षण Psycholinguistics and Second Language Teaching	80	20	100
12 क्षेत्र-प्रणाली Field-Method	80	20	100

चतुर्थ सेमेस्टर FOURTH SEMESTER

प्रश्न पत्र प्रश्न-पत्र का नाम Paper Title of the Paper	Theory	Internal	M.M
13 अनुवाद Translation	80	20	100
13 विकल्प (A) संप्रेषणपरक हिंदी Communicative Hindi विकल्प (B) Communicative English	80	20	100
3 छत्तीसगढ़ी Chhattisgarhi	80	20	100
4 प्रोक्ति-विश्लेषण Discourse- Analysis	80	20	100

सेमेस्टर-। प्रश्नपत्र-।

SEMESTER - I PAPER - I

भाषाविज्ञान का परिचय एवं भारतीय भाषाचिंतन परंपरा

**INTRODUCTION TO LINGUISTICS AND INDIAN
LINGUISTIC TRADITION**

इकाई-1 भाषा-परिभाषा एवं विशेषताएँ, भाषा के अवयव- ध्वनि, रूप, शब्द, पदबंध, उपवाक्य, वाक्य, अर्थ।

UNIT-I Language- Definition and Characteristics, Constituents of Language- Sound, Morph, Word, Phrase, Clause, Sentence, Meaning.

इकाई-2. मानव-भाषा एवं मानवेतर भाषा, मौखिक एवं लिखित भाषा, भाषा और बोली, बोली के भाषा बनने के कारण, भाषाई परिवर्तन के कारण एवं दिशाएँ।

UNIT-II Human Language and Non- human Language, Oral and Written Language, Language and Dialect , Factors causing a dialect to be a language, Factors causing Language Change and Directions of Change.

इकाई-3. भाषाविज्ञान- परिभाषा, प्रकृति, भाषा-अध्ययन की विभिन्न पद्धतियाँ-वर्णनात्मक, तुलनात्मक, ऐतिहासिक, व्यतिरेकी।

UNIT-III Linguistics- Definition, Nature, Various Methods of Linguistic Study- Descriptive,

Comparative, Historical, Contrastive .

इकाई-4. भाषाविज्ञान की शाखाएँ-ध्वनिविज्ञान, ध्वनिप्रक्रिया, रूपविज्ञान, वाक्यविज्ञान, अर्थविज्ञान, समाजभाषाविज्ञान, भाषाभूगोल, शैलीविज्ञान, अनुवादविज्ञान, मनोभाषाविज्ञान, भाषाशिक्षण। अन्य विज्ञानों से भाषाविज्ञान का संबंध।

UNIT-IV Branches of Linguistics- Phonetics, Phonology, Morphology, Syntax, Semantics, Sociolinguistics, Linguistic Geography, Stylistics, Translatology, Psycho-linguistics, Language Teaching. Relation of Linguistics with other Sciences.

इकाई-5. भारतीय भाषा-चिंतन-परंपरा- वेदए निघंटु। यास्क, पाणिनि, कात्यायन, पतंजलि, कैयट, नागेश, भट्टोजिदीक्षित, हेमचंद्र, आदि का योगदान।

UNIT-V Indian Linguistic Tradition-Vedas, Nighantu. Contributions of Yask, Panini,

Katyayan, Patanjali, Kaiyat,
Nagesh, Bhattojidikshit, Hemchandra, etc.

निर्धारित पुस्तकें Books Prescribed :

1. भाषाविज्ञान एवं भाषाशास्त्र – कपिलनाथ द्विवेदी
2. भाषाविज्ञान – भोला नाथ तिवारी
3. भाषाविज्ञान – राजमल बोरा (संपादक)
4. भाषाविज्ञान – सैद्धांतिक चिंतन – रवीन्द्रनाथ श्रीवास्तव
5. भारतीय भाषावैज्ञानिक चिंतन – विद्यानिवास मिश्र
6. सैद्धांतिक भाषाविज्ञान – ल्यूस
7. Theoretical Linguistics - John Lyons
8. Introduction to General Linguistics- Robins
9. Linguistics - David Crystal
10. The Study of Language - George Yule

सेमेस्टर- I प्रश्नपत्र-II

SEMESTER - I PAPER - II

भाषा की प्रयोजनीयता

FUNCTIONALITY OF LANGUAGE

इकाई-1. भाषा के प्रयोजन

- I. भाषा-प्रयोजन का आशय
- II. प्रयोजनमूलक भाषा का स्वरूप, व्याप्ति, एवं महत्व
- III. भाषा के विविध रूप-कार्यालयी, जनसंचार, साहित्य, विधि, आदि।

UNIT-I Functions of Language

- I. Meaning of Functions of Language.
- II. Nature, Scope and Importance of Functional Language.
- III. Different Forms of Language- Official, Media, Literature, Law, etc.

इकाई-2. भाषा और कंप्यूटर

1. कंप्यूटर : परिचय एवं उपयोग
2. इंटरनेट-परिचय
3. वेबसाइट
4. हिंदी/अंगरेजी सॉफ्टवेयर के पैकेज

UNIT-II Language and Computer

1. Computer - Introduction and Use
2. Internet - Introduction.

3. Website

4. Hindi/ English Software and Packages

इकाई-3. जनसंचार-की भाषा : पत्रकारिता

1. पत्रकारिता : स्वरूप एवं प्रकार
2. समाचार-लेखन
3. साक्षात्कारए पत्रकार-वार्ता
4. विज्ञापन
5. आकाशवाणी, दूरदर्शन की भाषा की प्रकृति,

UNIT-III Language and Media

Journalism- Nature and Types, News Writing, Editing as an Art Interview, Press-Conference, Advertisement, Language of Radio and Television

इकाई-4. पारिभाषिक शब्दावली

1. स्वरूप एवं महत्व
2. परिभाषिक शब्दावली-निर्माण के सिद्धांत
3. ज्ञान-विज्ञान के विभिन्न क्षेत्रों की पारिभाषिक शब्दावली (केवल निर्धारित शब्द)

UNIT-IV Technical Terminology

Nature and Importance, Principles of Formation of Technical Terms, Technical Terms of Various Disciplines of Science and Humanities, (Prescribed Terms only)

इकाई-5. संक्षिप्तियाँ एवं पदनाम

1. प्रकृति, महत्व एवं सीमाएँ,
2. संक्षिप्ति के सिद्धांत
3. विभिन्न विषयों में प्रचलित संक्षिप्तियाँ
4. महत्वपूर्ण पद-नाम

UNIT-V Abbreviations and Designations

Nature, Importance and Limitation

Principles of Abbreviations

Abbreviations Used in Different Disciplines

Important Designations

निर्धारित पुस्तकें

1. प्रयोजनमूलक हिंदी – बालेंदु शेखर तिवारी
2. प्रयोजनमूलक हिंदी – दंगल झाल्टे
3. प्रयोजनमूलक हिंदी – सूर्यप्रसाद दीक्षित एवं अन्य
4. जनसंचार माध्यमों में हिंदी – चंद्रकुमार

5. दूरदर्शन हिंदी के प्रयोजनमूलक विविध प्रयोग – कृष्णकुमार रतू
6. कंप्यूटर के भाषिक अनुप्रयोग – विजय मल्होत्रा
7. हिंदी कंप्यूटिंग – त्रिभुवन नाथ शुक्ल
8. प्रयोजनमूलक हिंदी – प्रो. चित्तरंजनकर एवं सुधीर शर्मा
9. कार्यालयीन हिंदी – प्रो. केशरी लाल वर्मा
10. A Communicative Grammar of English & Leech

सेमेस्टर-। प्रश्नपत्र-।।।

SEMESTER - 1 PAPER - III

ध्वनिकी एवं ध्वनिमी -।

PHONETICS AND PHONEMICS - I

इकाई-1. ध्वनिकी (ध्वनिविज्ञान)- प्रकृति एवं व्याप्ति, भाषाविज्ञान की अन्य शाखाओं से संबंध, ध्वनिकी की शाखाएँ- उच्चारण, संवहन, एवं श्रवण।

ध्वनिकी एवं ध्वनिमी में अंतर।

UNIT-I Phonetics- Nature and Scope, Relation with Other Branches of Linguistics, Branches of Phonetics- Articulatory, Acoustic and Auditory.

Differences between Phonetics and Phonology.

इकाई-2. वाक् अवयवों का परिचय तथा ध्वनि उच्चारण में उनकी भूमिका।

UNIT-I Introduction to Organs of Speech and Their Role in production of Sounds.

इकाई-3. वाग्ध्वनियों का वर्गीकरण-स्वर एवं व्यंजन, स्वरों एवं व्यंजनों की सामान्य विशेषताएँ, स्वर एवं व्यंजन में समानताएँ एवं असमानताएँ।

UNIT-III Classification of Speech Sounds- Vowels and Consonants, General Characteristics of Vowels and Consonants, Similarities and Differences between Vowels and Consonants.

इकाई-4 स्वरों का वर्गीकरण-जीभ की ऊँचाई, जीभ का भाग, होठों की स्थिति, कोमल तालु की स्थिति, मांसपेशियों की स्थिति, दीर्घता के आधार पर।

UNIT-IV Classification of Vowels- On the Basis of Tongue Height, Parts of Tongue, Position of Soft Palate, Position of Muscles, Length.

इकाई-5. व्यंजनों का वर्गीकरण-स्थान एवं प्रयत्न, प्राणत्व, तथा घोषत्व के आधार पर।

UNIT-V Classification of Consonants- On the Basis of Places and Manners of Articulation,

Aspiration and Voicing.

निर्धारित पुस्तके –

Books Prescribed :

1. हिंदी ध्वनिकी और ध्वनिमी : रमेश चंद्र महरोत्रा
2. ध्वनिविज्ञान : गोलोक बिहारी धल
3. स्वनविज्ञान : चतुर्भुज सहाय
4. हिंदी भाषा की ध्वनि संरचना : भोलानाथ तिवारी
5. A Practical Introduction to Phonetics : Catford.
6. A Text Book of English Phonetics for India students : T. Balasubramanian

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रूपविज्ञान-I

MORPHOLOGY - I

इकाई-1. रूपविज्ञान-प्रकृति एवं क्षेत्र, शाखाएँ, शब्द साधन तथा रूप-साधन।

UNIT-I Morphology- Nature and Scope, Branches, Derivational and Inflectional.

इकाई-2. रूप, संरूप, एवं रूपिम – परिभाषाएँ एवं अंतर।

UNIT-I Morphs, Allomorphs and Morphane- Definition and Differences.

इकाई-3. रूपिमिक विश्लेषण के सिद्धांत एवं प्रयोग।

UNIT-III Principles and Practices of Morphemic Analysis

इकाई-4. रूपवर्ग एवं शब्द वर्ग।

UNIT-IV Form- Classes and Word- Classes

इकाई-5. संज्ञा, सर्वनाम, विशेषण, एवं क्रिया-शब्दों का रूप-साधन ।

UNIT-V Inflection of Nouns, Pronouns, Adjectives, and Verbs

निर्धारित पुस्तकें

Books Prescribed

1. भाषाविज्ञान की रूपरेखा : उदय नारायण तिवारी
2. हिंदी का रूपग्रामिक अध्ययन : महावीर सरन जैन
3. हिंदी भाषा की रूप संरचना : भोलानाथ तिवारी
- 4- Grammar : F - Palmer

5- Introduction to Linguistics Structure : A Hill

सेमेस्टर-I प्रश्नपत्र-V
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अर्थविज्ञान
SEMANTICS

इकाई-1. अर्थविज्ञान का क्षेत्र, अर्थविज्ञान और भाषाविज्ञान की अन्य शाखाएँ ।

UNIT-I Scope of Semantics , Semantics and Other Branches of Linguistics.

इकाई-2. अर्थ-प्रकार-समानार्थकता, विलोमार्थकता, अनेकार्थकता, समनामता भाषिक अर्थ एवं संदर्भगत अर्थ में अंतर, अभिधा, लक्षण, व्यंजना ।

UNIT-II Meaning - Types: Synonymy, Antonymy, Polysemy, Homonymy, Difference between Linguistic Meaning and Contextual Meaning, Abhidha (Literal), Lakshana (Idiomatic), Vyanjana (Suggestive).

इकाई-3. भारतीय एवं पाश्चात्य अर्थ-चिंतन-परंपरा, अर्थ का निर्धारण, अर्थ-निर्धारण में संदर्भ की भूमिका ।

UNIT-III Indian and Western Semantic Tradition, Determination of Meaning, Role of Context in Determination of Meaning

इकाई-4. अर्थपरिवर्तन के कारण-ऐतिहासिक, राजनैतिक, साहित्यिक, सामाजिक, धार्मिक, भौगोलिक । अर्थपरिवर्तन की दिशाएँ-विस्तार, संकोच, आदेश ।

UNIT-IV Causes of Semantic Change- Historical, Political, Literary, Social, Religious, Geographical.

Directions of Semantic Change- Extension, Contraction, Suppletion,

इकाई-5. वाक्यविज्ञान एवं अर्थविज्ञान, प्रोक्ति, संज्ञा एवं क्रिया का आर्थी अभिलक्षण ।

UNIT-IV Syntax and Semantics, Discourse, Semantic Features of Nouns and Verbs.

निर्धारित पुस्तकें

Books Prescribed

1. सैद्धांतिक भाषाविज्ञान : ल्यूस
2. हिंदी भाषा की अर्थ-संरचना : भोलानाथ तिवारी
3. Semantics : Palmer

4. Semantics : (Vol 1-2) Lyons
5. Semantics : A Coursebook : Hurford & Heasley

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शैलीविज्ञान
STYLISTICS

इकाई-1. शैली-प्रकृति एवं क्षेत्र, भाषा एवं शैली, संदर्भ भेद से शैली-भेद।

शैली-प्रकार-भाषिक एवं साहित्यिक, औपचारिक एवं अनौपचारिक, भव्य एवं ग्राम्य।

UNIT-I Style- Nature and Scope, Language and Style, Differences in Style According to Differences in Context, Style -Types- Linguistic and Literary, Formal and Informal, Grand and Rustic

इकाई-2. शैलीविज्ञान-प्रकृति, शैलीविज्ञान एवं अन्य विज्ञानों में संबंध, व्याकरण एवं शैलीविज्ञान।

UNIT-II Stylistics - Nature, Relation between Stylistics and Other Disciplines, Grammar and Stylistics.

इकाई-3. शैलीवैज्ञानिक अध्ययन के प्रतिमान-चयन, विचलन, समांतरता।

UNIT-III Norms of Stylistic Study- Selection, Deviation, Parallelism.

इकाई-4. भारतीय (संस्कृत) शैलीवैज्ञानिक चिंतन-रस, ध्वनि, अलंकार, रीति, वक्रोक्ति, औचित्य।

UNIT-IV Stylistics in Indian (Sanskrit) Poetics- Rasa, Dhvani, Alankar, Riti, Vakrokti, Auchitya.

इकाई-5. पाश्चात्य शैलीवैज्ञानिक चिंतन-रोमन याकोब्सन, ए.हिल, फर्थ, हैलिडे, एन्क्विस्ट।

UNIT-V Western Stylistics- Roman Jakobson, A. Hill, Firth, Halliday, Enkvist, Books Prescribed

1. प्रारंभिक शैलीविज्ञान : चित्तरंजन कर

2. शैलीविज्ञान : सुरेश कुमार

3. शैलीविज्ञान : भोलानाथ तिवारी

4. रीतिविज्ञान : विद्यानिवास मिश्र

5- Linguo-Stylistics - Olga Akhmanova

6- Linguistic Stylistic - Enkvist

7- Functional Stylistics - V. Prakasham

8- Directions in Applied Linguistics - David Crystal

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ध्वनिकी एवं ध्वनिमी - II

PHONETICS AND PHONEMICS - II

इकाई-1. अक्षर-परिभाषा एवं विशेषताएँ, हिंदी/अंग्रेजी की आक्षरिक संरचना।

UNIT-I Syllable- Definition & Characteristics, Syllabic Structure of Hindi/English.

इकाई-2. दीर्घता, बलाघात, सुर, तान, अनुतान (हिंदी/अंग्रेजी के उदाहरण)

UNIT-II Length, Stress, Pitch, Tone, Intonation. (Examples of Hindi/English)

इकाई-3. स्वनिक लिप्यंकन की धारणा, सामान्य लेखन एवं स्वनिक लिप्यंकन में अंतर, आई.पी. ए.।

UNIT-III Concept of Phonetic Transcription-, Difference between Usual Writing and Phonetic Transcription, IPA .

इकाई-4. स्वनिमिक विश्लेषण-सिद्धांत एवं प्रश्न

UNIT-IV Phonemic Analysis- Principles and Problems .

इकाई-5. हिंदी/अंग्रेजी ध्वनि-प्रक्रिया

UNIT-V Hindi/English Phonology.

Books Prescribed

1. हिंदी ध्वनिकी और ध्वनिमी : रमेश चंद्र महरोत्रा

2. ध्वनिविज्ञान : गोलोक बिहारी दल

3. स्वनविज्ञान : चतुर्भुज सहाय

4. हिंदी भाषा की ध्वनि संरचना : भोला नाथ तिवारी

5- A Practical Introduction to Phonetics : Catford

6- A Textbook of English Phonetics for Indian Students : T. Balasubramanian

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रूप विज्ञान - II

MORPHOLOGY - II

इकाई-1. शब्दों की सोपानक्रमिक संरचना

UNIT-I Heirachical Structure of Words.

इकाई-2. संधि-प्रकार -स्वरसंधि, व्यंजन संधि, विसर्गसंधि।

UNIT-II Sandhi- Types- Swara sandhi, Vyanjana Sandhi, Visarga Sandhi,

इकाई-3. समास-प्रकार-बहुब्रीहि, कर्मधारय, द्विगु, द्वंद्व, तत्पुरुष, अव्ययी भाव, नञ समास।

UNIT-III Compound-Types Karmadharaya, Dwigu, dwandwa, Tatpuruṣa, Avyayibhava, Nāṣṇa Samāsa.

इकाई-4. हिंदी/अंग्रेजी शब्द की संपदा-तत्सम, तद्भव, आगत, देशज।

UNIT-IV Vocabulary of Hindi/English-Tatsama, Tadbhava, Agata, Deshaja,

इकाई-5. हिंदी/अंग्रेजी की पदबंध-संरचना-संज्ञापदबंध, विशेषणपदबंध, क्रिया-पदबंध, क्रियाविशेषण पदबंध।

UNIT-V Phrase-Structure of Hindi/English-Noun Phrase, Adjective Phrase, Verb Phrase, Adverb Phrase.

Books Prescribed

1. भाषाविज्ञान की रूपरेखा : उदय नारायण तिवारी
2. हिंदी का रूपगामिक अध्ययन : महावीर सरन जैन
3. हिंदी भाषा की रूप संरचना : भोला नाथ तिवारी
4. Grammar : F. Palmer
5. Introduction to Linguistic Structure : A. Hill

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वाक्यविज्ञान

SYNTAX

इकाई-1. भाषाविज्ञान की अन्य शाखाओं से वाक्यविज्ञान का संबंध -ध्वनिविज्ञान, रूपविज्ञान, अर्थविज्ञान, यथार्थविज्ञान।

UNIT-I Relation between Syntax and Other Branches of Linguistics- Phonetics, Morphology, Semantics, Pragmatics .

इकाई-2. वाक्य-संबंधी भारतीय एवं पाश्चात्य मत, वाक्य के अवयव, वाक्य-प्रकार : रचना की दृष्टि से, अर्थ की दृष्टि से।

UNIT-II Indian and Western Views on Syntax .

Components of Sentence, Sentence- Types - Structurally and Semantically.

इकाई-3. निकटस्थ अवयव-विश्लेषण, अंतःकेंद्रिक और बहिःकेंद्रिक, पदबंध-संरचना-व्याकरण।

UNIT-III IC- Analysis, Endocentric and Exocentric Construction , PS- Grammar.

इकाई-4. रूपांतरणपरक-प्रजनक व्याकरण, आंतरिक एवं बाह्य संरचना, रूपांतरण-नियम।

UNIT-IV Transformational - Generative Grammar, Deep and Surface Structures, Transformational Rules.

इकाई-5. कारक-व्याकरण-मूल कारक- संबंध और व्याकरणिक संबंध, कारक- संबंध और व्याकरणिक संबंध में संबंध।

UNIT-V Case Grammar- Basic Case Relations and Grammatical Relations Between Case Relations and Grammatical Relations.

Books Prescribed

1. हिंदी का नवीनतम बीज व्याकरण : रमेश चंद्र महरोत्रा

2. हिंदी-परसर्ग : चित्तरंजन कर

3- A Course in modern Linguistics % C.F. Hoekett

4- Transformational Grammar % Radford

5- Syntax : A Minimalist Introduction % Radford

6- Mood and Modality % Palmer

7- Grammatical Roles and Relations % Palmer

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भाषा एवं समाज

LANGUAGE AND SOCIETY

इकाई-1. समाजभाषाविज्ञान की प्रकृति. भाषा और समाज में संबंध, भाषा और संस्कृति।

UNIT-I Nature of Sociolinguistics, Relation between Language and Society, Language and Culture.

इकाई-2. सामाजिक स्तरीकरण और भाषा, भाषा का सामाजिकीकरण।

UNIT-II Social Stratification and Language, Socialisation of Language.

ठकाई-3. भाषा और राष्ट्र, भाषा-नियोजन, राष्ट्रभाषा, राजभाषा।

UNIT-III Language and Nation, Language - Planning, National Language, Official Language.

इकाई-4. भाषाओं का संपर्क, समाजभाषिक परिवर्तन, द्विभाषिकता, बहुभाषिकता, भाषाद्वैत, पिजिन, क्रियोल।

UNIT-IV Languages in Contact, Sociolinguistic Change, Bilingualism, Multilingualism, Diglossia, Pidgin, Creole.

इकाई-5. रिश्ते-नाते के शब्द, रंग-शब्द, संबोधन-पद।

UNIT-V Terms of Relations (Kinship Terms), Colour Terms, Terms of Address.

निर्धारित पुस्तकें

Books Prescribed

1. हिंदी भाषा का सामाजिक संदर्भ : रमा नाथ सहाय

2. हिंदी का सामाजिक संदर्भ : रवींद्रनाथ श्रीवास्तव

3- Sociology of Language - Fishman

4- Sociolinguistics - Trudgill

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मनोभाषाविज्ञान एवं द्वितीय भाषाशिक्षण

PSYCHOLINGUISTICS AND SECOND LANGUAGE TEACHING

इकाई-1. मनोभाषाविज्ञान- प्रकृति एवं क्षेत्र, भाषा-अर्जन का मनोवैज्ञानिक आधार।

UNIT-I Psycholinguistics - Nature & Scope, Psychological Basis For Language- Acquisition,

इकाई-2. उच्चरित शब्दों का संज्ञान एवं भाषा-प्रयोग की सामान्य शर्तें।

UNIT-II Cognition of Articulated Words and General Conditions of Language Use.

इकाई-3. द्वितीय भाषा-अधिगम, अर्जन एवं शिक्षण।

UNIT-III Second Language- Learning, Acquisition, and Teaching.

इकाई-4. भाषा-सामर्थ्य और भाषा-व्यवहार।

UNIT-IV Language Competence and Language Performance

इकाई-5. मातृभाषा-शिक्षण, प्रथम भाषा, अन्य/विदेशी भाषा।

UNIT-V Teaching of Mother Tongue, First Language, Other/Foreign Language.

Books Prescribed

1. हिंदी भाषाशिक्षण : मनोरमा गुप्ता
2. भाषाविज्ञान एवं हिंदी भाषाशिक्षण की अधुनातन प्रवृत्तियाँ : शिवेन्द्र किशोर वर्मा
3. अनुप्रयुक्त भाषाविज्ञान : भोला नाथ तिवारी
- 4- Second Language Acquisition : Clein

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क्षेत्र-प्रणाली

FIELD - METHOD

इकाई-1. क्षेत्र-सर्वेक्षण-उद्देश्य, प्रश्नावली, सूचक, सर्वेक्षक, क्षेत्र-सर्वेक्षण के लिए आधार-सामग्री।

UNIT-I Field - Survey - Objectives, Sampling, Questionnaire, Informant, Surveyor, The Base Material for Field Survey.

इकाई-2. सामग्री-संकलन-प्रणालियाँ-प्राथमिक एवं द्वितीयक स्रोत, सूक्ष्म एवं स्थूल लिप्यंकन।

UNIT-II Data-Collection- Methods- Primary and Secondary Sources, Narrow and Broad Transcription.

इकाई-3. विश्लेषण- ध्वनिप्रक्रियात्मक, रूपप्रक्रियात्मक, वाक्यात्मक, और अर्थात्मक।

UNIT-III Analysis- Phonological, Morphological, Syntactic, and Semantic.

इकाई-4. प्रस्तुतीकरण, सारणियाँ, चित्र, ग्राफ, इत्यादि।

UNIT-IV Compilation- Presentation, Tables, Diagrams, Graph, etc.

इकाई-5. भाषिक मानचित्रावली- प्रणालियाँ, एवं प्रकार, महत्व।

UNIT-V Linguistic Maps- Methods and Types, Importance.

निर्धारित पुस्तकें-

Books Prescribed

1. भाषा भूगोल : कैलाश चंद्र भाटिया
2. शब्द भूगोल : हीरा लाल शुक्ल
3. भाषा-सर्वेक्षण : मुरारी लाल उप्रेती
- 4- A Course in modern Linguistics : C.F.Hockell

- 5- Descriptive Linguistics : H.A. Gleason
- 6- Field Linguistics : William J. Samarin
- 7- Sociolinguistic Questionnaire Bank : CIIL, Mysore

सेमेस्टर-IV प्रश्नपत्र-XIII

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अनुवाद

TRANSLATION

इकाई-1. अनुवाद-परिभाषा, उद्देश्य, महत्व, क्षेत्र, भाषाविज्ञान की अनुप्रयुक्त शाखा के रूप में अनुवाद।

UNIT-I Translation- Definition, Aims and Objectives, Importance, Scope . Translation as An Applied Branch of Linguistics.

इकाई-2. अनुवाद-प्रक्रिया-नाइडा का चिंतन, न्यूमार्क का चिंतन, बाथगेट का चिंतन। पाठ-प्रकार एवं अनुवाद-प्रकार।

UNIT-II Process of Translation- Views of Nida, Newmark, and Bathgate. Types of Text and Types of Translation.

इकाई-3. अनुवाद-कार्य-अनुवादक के गुण, एवं सीमाएँ।

अनुवाद-मूल्यांकन-पद्धतियाँ-शाब्दिक, वाक्यात्मक, आर्थी, सांदर्भिक। अच्छे अनुवादक की विशेषताएँ।

UNIT-III Translation-Work- The Translator- His Ability and Limitations, Translating- Evaluation-Methods- Lexical, Syntactic, Semantic, Contextual, Qualities of a Good Translation.

इकाई-4. अँगरेजी-गद्यांश का हिंदी-अनुवाद

अथवा छत्तीसगढ़ी-गद्यांश का हिंदी-अनुवाद।

UNIT-IV Translation of an English Passage into Hindi OR Translation of a Chhattisgarhi Passage into Hindi.

इकाई-5. हिंदी-गद्यांश का अँगरेजी- अनुवाद।

अथवा हिंदी-गद्यांश का छत्तीसगढ़ी अनुवाद।

UNIT-V Translation of a Hindi Passage into English OR Translation of a Hindi Passage into Chhattisgarhi.

Books Prescribed

1. अनुवाद सिद्धांत की रूपरेखा : सुरेश कुमार
2. अनुवाद-कला सिद्धांत और प्रयोग : कैलाश चंद्र भाटिया
3. अनुवाद-सिद्धांत और समस्याएँ : रवींद्रनाथ श्रीवास्तव एवं गोस्वामी
4. अनुवाद विज्ञान : भोलानाथ तिवारी
5. अनुवाद-कला और समस्याएँ : वैज्ञानिक अनुसंधान और सांस्कृतिक मंत्रालय, भारत
6. भारतीय भाषाओं से अनुवाद की समस्याएँ : भोलानाथ तिवारी एवं किरणबाला

सेमेस्टर-IV प्रश्नपत्र-XIV विकल्प (A)

SEMESTER - IV PAPER - XIV OPTION (A)

संप्रेषणपरक हिंदी

COMMUNICATIVE HINDI

इकाई-1 संप्रेषण- परिभाषा, प्रक्रिया, विस्तार। संप्रेषण-क्षमता के विकास में भाषाविज्ञान की भूमिका।

UNIT-I Communication- Definition, Process, Scope, Role of Linguistics in Improving Communicative Competence.

इकाई-2 हिंदी में वार्तालाप- वक्ता, श्रोता, विषय-वस्तुएँ भाषा, स्थिति-संदर्भ, भूमिका-परिवर्तन, शिष्टाचार एवं तकियाकलाम।

UNIT-II Conversation in Hindi-Speaker, Hearer, Subject -Matter, Language, Context of Situation, Role- Shift, Manner, and Mannerism.

इकाई-3 निर्देशक तत्व- पुरुषवाचक सर्वनाम, संकेतवाचक सर्वनाम, कालवाचक एवं स्थानवाचक क्रियाविशेषण, काल एवं पक्ष। अन्विति (कर्ता-क्रिया, कर्म-क्रिया, शून्य)।

UNIT-III Diexis- Personal Pronouns, Demonstrative, Pronouns, Adverbs of Time and Place, Tense and Aspect. Concord (Subject-Verb, Object-Verb, None), Voices (Active-Passive), Speech (Direct-Indirect)

इकाई-4 परसर्ग-प्रयोग- सरल, सामासिक, मिश्र, कृदंत- क्रिया, विशेषण, संज्ञा, एवं क्रियाविशेषण के रूप में प्रयोग।

UNIT-IV Postpositions and Their Uses- Simple, Compound, Complex. Participles Used as Verbs, Adjectives, Nouns, and Adverbs.

इकाई-5 पर्यायवाची शब्दों का विशिष्ट प्रयोग, मुहावरों एवं लोकोक्तियों का प्रयोग।

UNIT-V Specific Uses of Synonymous Words, Use of Idioms and Proverbs.

निर्धारित पुस्तकें

Books Prescribed

1. मानक हिंदी का शुद्धिपरक व्याकरण : रमेश चंद्र महरोत्रा
2. मानक हिंदी में शुद्ध प्रयोग : रमेश चंद्र महरोत्रा
3. हिंदी परसर्ग : चित्तरंजन कर

सेमेस्टर-IV प्रश्नपत्र-XIV विकल्प (B)

SEMESTER - IV PAPER - XIV OPTION (B)

COMMUNICATIVE ENGLISH

UNIT-I Communication- Definition, Process, Scope, Role of Linguistics in Improving Communicative Competence.

UNIT-II Conversation in English- Speaker, Hearer, Subject, Matter, Language, Context of Situation, Role-Shift, Manner and Mannerism,

UNIT-III Deixis- Personal Pronouns, Demonstrative Pronouns, Articles, Adverbs of Time and Place, Anaphora.

UNIT-IV Prepositions and Their Uses- With Nouns, Verbs, Adjectives. Prepositions Used As Conjunctions. Concord, Voices- Active- Passive, Speech- Direct-Indirect.

UNIT-IV Use of Synonymous Words With Specific Meaning , Use of Idioms and Proverbs.

Books Prescribed

1. Communicative English : Leech
2. A University Grammar of English : Quirk et al
3. A Reference Grammar of English : R.A.Close

सेमेस्टर-IV प्रश्न पत्र-XV

SEMESTER - IV PAPER - XV

छत्तीसगढ़ी

CHHATTISGARHI

इकाई-1. छत्तीसगढ़ी की भौगोलिक/भाषिक सीमाएँ, विकास।

UNIT-II Chhattisgarhi-Geographical and Historical Background, Origin, Nomenclature, Linguistic Boundaries, Development.

इकाई-2. छत्तीसगढ़ी तथा हिंदी की अन्य बोलियाँ (पूर्वी एवं पश्चिमी हिंदी के विशेष संदर्भ में), छत्तीसगढ़ी की उपबोलियाँ।

UNIT-II Chhattisgarhi and Other Dialects of Hindi. (with Special Feature of Eastern and Western Hindi), Sub Dialects of Chhattisgarhi.

इकाई-3. छत्तीसगढ़ी की ध्वनियाँ-स्वर, व्यंजन, संध्यक्षर।

UNIT-III Sound of Chhattisgarhi - Vowels, Consonants, and Diphthongs.

इकाई-4. छत्तीसगढ़ी की व्याकरणिक कोटियाँ- पुरुष, लिंग, वचन, कारक, काल, पक्ष, वृत्ति, वाच्य।

UNIT-IV Grammatical Categories of Chhattisgarhi- Person, Gender, Number, Case, Tense, Aspect, Mood, Voice.

इकाई-5. छत्तीसगढ़ी- शब्द-संपदा- तत्सम, तद्भव, आगत, संकर । शब्द-रचना-सरल, यौगिक, मिश्र । शब्द-भेद ।

UNIT-IV Chhattisgarhi Vocabulary- Tatsam, Tadbhav, Borrowed, Hybrid. Word-Formation- Simple, Compound, Complex. Parts of Speech. निर्धारित पुस्तकें

Books Prescribed

1. छत्तीसगढ़ी भाषा का उद्विकास : नरेन्द्र वर्मा
2. छत्तीसगढ़ी, हलबी, भतरी बोलियों का भाषावैज्ञानिक अध्ययन : भालचंद्र राव
3. हिंदी और उसकी विविध बोलियाँ : दीपचंद जैन
4. छत्तीसगढ़ी की व्याकरणिक कोटियाँ : चित्त रंजन कर
5. छत्तीसगढ़ी बोली, व्याकरण और कोष : कांतिकुमार जैन

सेमेस्टर-XIV प्रश्न पत्र-XVI

प्रोक्ति-विश्लेषण

DISCOURSE-ANALYSIS

1. प्रोक्ति : प्रोक्ति की अवधारणा एवं प्रकृति, प्रोक्ति के विभिन्न पर्याय ।

Discourse : Concept & Nature of Discourse, Different Terms for Discourse.

2. प्रोक्ति-प्रकार : मौखिक, लिखित, वार्तालाप, साहित्यिक, एकालाप ।

Discourse-Types : Oral, Written, Conversation, Literary, Monologue.

3. प्रोक्ति-संरचना : थीम-संरचना, टॉपिक-संरचना, वाक्य-संरचना में प्रोक्तिमूलक तत्व, प्रोक्ति-चिह्नक ।

Discourse-Structure : Theme Structure, Topic-Structure, Discourse Elements in Sentence-Structure, Discourse-Markers.

4. प्रोक्ति से संबंधित अन्य संकल्पनाएँ : प्रोक्ति और संदर्भ, प्रोक्ति और शैली, प्रोक्ति और विषय-वस्तु

Discourse Related Concepts : Discourse and Context, Discourse and Style, Discourse and Subject-Matter.

5 संसक्ति : वाक्यगत, अर्थगत, एवं संदर्भगत संसक्ति ।

Cohesion : Syntactic, Semantic and Contextual Cohesion.

निर्धारित पुस्तकें Books Prescribed

1. Gillian Brawn & George Yule - Discourse-Analysis, Cambridge.

2. Michael Stubbs - Discourse-Analysis, Basil Blackwell, Oxford

3. भोलानाथ तिवारी : भाषाविज्ञान, किताब महल

5. M.A.K. Halliday & Ruqaiya Hasan - Cohesion in English, Longman,

Deborah Schiffrin - Discourse Markers, Cambridge.

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PANDIT RAVISHANKAR SHUKLA UNIVERSITY
RAIPUR(C.G.)

M. A. ENGLISH
SYLLABI OF SEMESTER SYSTEM
SESSION 2020-21

V. C. SUDHAKAR R. Pandey 6/1/20
Dr. Abha Pandey Pandey 6/1/2020
Dr. Kirti Tiwari ~~Tiwari~~ 6/1/2020
Dr. Poojitika Mukherjee Sankar 6/1/2020
Dr. Anita Juneja Juneja 6.1.2020
Ms. Madhur Khori - Madhur Khori 6.1.2020

PANDIT RAVISHANKAR SHUKLA UNIVERSITY,

RAIPUR(C.G.)

M. A. ENGLISH
SYLLABUS
SESSION 2020-21

INDEX

SEMESTERS:

Semester I and Semester II

Semester III and Semester IV

V.C. SUDHEER *Sudheer* 6/1/20
Dr. Abha Pandey *Abha Pandey* 6/1/2020

Dr. Pratibha Mukherjee *Pratibha Mukherjee* 6/1/2020

Dr. Anita Juneja *Anita Juneja* 6.1.2020

Ms. Madhu Kher - *Madhu Kher* 6.1.2020

STRUCTURE OF THE SYLLABUS

2020-2021

Name of the Programme: M.A. English (Semester Pattern)

Duration- 2 years-4 semesters

Total Courses- 20

Total Marks- 2000 (100 marks per course)

Division of marks per Course:

Internal Assessment- 20 marks

External Assessment- 80 marks

Special Features:

Inclusion of **Language Management and Communication Skills** in Semester I and II to improve language competence of the students.

Introduction of **New Literatures in English** in Semester III and IV to make the students aware of the emerging areas in literature which will help them in competitive exams and to take up new topics for research in future.

Inclusion of **Research Methodology and Computer Application** in Semester III and IV to prepare a base for research among the students and help them to enhance their academic writings

Objectives:

To acquaint the students with major trends in English literature through a detailed study of specific literary texts.

To improve the linguistic and the literary competence of the students.

To enable the students to read and appreciate the literary texts.

To cultivate among the students a sense of understanding in order to make them better human beings by exposure to a variety of literature.

To enable the students to understand and appreciate various literary forms and literary terms.

To create awareness regarding the structure of modern English and literary theories.

To acquaint the students with the trends and inter-disciplinary nature of literary theories.

To introduce various aspects of literary criticism for proper understanding and appreciation of literature.

To acquaint the students with different theoretical and practical aspects and components of language and literature teaching.

To introduce the students to the concept of research and with the terminology associated with research activity as well as introduce them to the conventions of research papers.

U. S. Choudhary 6/1/20

M. Anand 6/1/2020

Dr. Anand
6/1/2020
Page 961 of 2144

Dr. Anand
6/1/2020

Dr. Anand
6.1.2020
Madhu
6.1.2020

**PANDIT RAVISHANKAR SHUKLA UNIVERSITY,
RAIPUR (C.G.)
M. A. ENGLISH (SEMESTER SYSTEM) 2020-21
SCHEME OF MARKS**

FIRST SEMESTER

Semester	Paper	Title	Marks		Total
			Theory	Internal	
I	I	Poetry - I	80	20	100
	II	Drama - I	80	20	100
	III	Prose - I	80	20	100
	IV	Fiction - I	80	20	100
	V	Language Management and Communication Skills - I	80	20	100
			Total		500

SECOND SEMESTER

Semester	Paper	Title	Marks		Total
			Theory	Internal	
II	I	Poetry - II	80	20	100
	II	Drama - II	80	20	100
	III	Prose - II	80	20	100
	IV	Fiction - II	80	20	100
	V	Language Management and Communication Skills - II	80	20	100
			Total		500

Modhu 6/1/20

*Manabj
6/1/2020*

*Shree
6/1/2020*

*Modhu 6/1/2020. Prinej
6/1/2020*

*Praveen
6/1/2020*

**Instructions for Paper Setters and Students
for Semester I and II**

- Students are expected to study the entire syllabus.
- 20 Questions for Section A carrying one mark each shall be asked from the entire syllabus.
- 08 very short answer type Questions (2-3 lines) for Section B carrying two marks shall be asked from Unit I-V in the first four papers of Semester I and II.
- 08 Short answer type Questions (75 Words) for Section C carrying three marks shall include annotations from the texts prescribed for detailed study and short answer questions from non-detailed texts.
- 04 Long answer type Questions(150 words) for Section D carrying five marks each shall be asked from Unit II-V with internal choices.
- In Paper V entitled **Language Management and Communication Skills** shall have four sections.20 Questions carrying one mark each, Eight very short answer type questions carrying 2 marks each,eight short answer type questions carrying three marks each and five long answer type questions carrying four marks each shall be asked in Section A,B,C and D respectively from the entire paper.

Madhu 6/1/20

Randy
6/1/2020

P. S. S. S.
6/1/2020

W. S. S.
6/1/2020

Madhu
6.1.2020

P. S. S. S.
6.1.2020

M.A. English
Semester - I
Paper - I
Poetry - I

Maximum Marks 80

Unit I

Types of Poetry, Elements of Poetry, Poetic Devices, Sub-genres of Poetry

Unit II

Geoffrey Chaucer : Prologue to the Canterbury Tales (Detailed)

Unit III

John Donne: A Valediction: Forbidding Mourning, Death, Be Not Proud, The Good-Morrow (All Detailed)

William Shakespeare: Sonnets 1,154 (Non-Detailed)

Unit IV

John Milton: Paradise Lost -Book- I (Detailed)

Unit V

Alexander Pope: The Rape of the Lock (Detailed)

John Dryden: A Portrait of Shadwell (Non-Detailed)

Thomas Gray: Elegy Written in a Country Churchyard (Non-Detailed)

Note: Annotations shall be based on the texts prescribed for detailed study.

Modhu 6/1/20

Modhu 6/1/2020

Modhu 6/1/2020

Modhu 6/1/2020

Modhu 6.1.2020
Dineja 6.1.2020

Recommended Reading:

Thyrd : Milton

C.M. Bowra : From Virgil to Milton

B. Rajan : Paradise Lost and 17th Century Reader

Ifor Ivans : A Short History of English Literature

Bradley : Oxford Lectures on Poetry

Lewis , CS. A Preface to Paradise Lost. Oxford: OUP, 1942.

Mark Van Doren : John Dryden.

Tillotson : On the Poetry of Pope.

M. Mack : Pope and His Contemporaries

Boulton, Marjorie. The Anatomy of Poetry. Routledge and Kegan Paul, 1953.

Kermode, Frank, and John Hollander, eds. The Oxford Anthology of English Literature, 6 Vols. OUP, 1973.

Brooks, Cleanth and Robert Penn Warren. Understanding Poetry. Holt, Rinehart and Winston Inc. 1960. Bowden,

Muriel. A Commentary on the General Prologue to the Canterbury Tales. Macmillan, 1949.

Brewer D. S. Tradition and Innovation in Chaucer. Macmillan, 1982.

Brown, Laura. Alexander Pope. Basil Blackwell, 1985.

Baines, Paul. The Complete Critical Guide to Alexander Pope. Routledge, 2001.

Gardner, Helen. Ed. Metaphysical Poets. New York: Penguin, 1957.

Kreutzer, James. Elements of Poetry. New York: Macmillan, 1971.

Leavis, FR. New Bearings in English Poetry. London: Penguin, 1939.

---. The Allegory of Love: A Study in Medieval Tradition. Oxford: Clarendon , 1936.

Booth, Stephen. An Essay on Shakespeare's Sonnets. New Haven: Yale Univ. Press, 1969.

Lesley
6/1/20

Chandry 6/1/20

J. K. W. S.
6/1/2020

h
6/1/2020

Madhu
6.1.2020

P. S. S.
6.1.2020

M.A. English
Semester - I
Paper - II
Drama - I

Maximum Marks 80

Unit I

Origin and Development of Drama
Elements of Drama (Theme, Plot, Characters, Dialogue)

Unit II

Christopher Marlowe: Doctor Faustus (Detailed)

Unit III

Ben Jonson: The Alchemist (Non-Detailed)

John Webster: The Duchess of Malfi (Non-Detailed)

Unit IV

William Shakespeare: Hamlet (Non-Detailed)
The Tempest (Detailed)

Unit V

William Congreve: The Way of the World (Detailed)

Note: Annotations shall be based on the texts prescribed for detailed study.

Wadhwa 6/1/20

Arora 6/1/2020

Sharma 6/1/2020

Sharma 6/1/2020

Modher 6.1.2020

Sharma 6.1.2020

Recommended Reading:

Boulton, Marjorie. The Anatomy of Drama. London: Routledge and Kegan Paul, 1960.

Brooks Cleanth and Fiedelston. Understanding Drama.

Fergusson, Francis. The Idea of a Theatre (chapter 1). OUP, 1949.

Jones, John. On Aristotle and Greek Tragedy (section 3, chapters 5 and 6). Chatto and Windus, 1962.

Kitto, H.D.F. Form and Meaning in Drama: A Study of Six Greek Plays and of Hamlet (chapter 5). Methuen, 1964

Marlowe, Christopher. Doctor Faustus, edited by Kitty Dutta. OUP, 1980 rpt. 1986.

Bradbrook, M. C. Themes and Conventions of Elizabethan Tragedy. CUP, 1935.

Jump, John D. (ed.). Christopher Marlowe, Doctor Faustus: A Casebook. Macmillan.

Leech, Clifford. Marlowe: A Collection of Critical Essays. 1964.

Shakespeare, William. Hamlet, ed. by Jenkins. New Arden Edition.

Bowers, Fredson. Elizabethan Revenge Tragedy. Princeton University Press, 1940.

Nicoll, Allardyce. (ed.). Shakespeare Survey. Vol. 9. S. Chand and Company, 1980.

Styan, J. L. Modern Drama in Theory and Practice, 3 vols. Cambridge, 1981.

Bradbrook, MC. Themes and Conventions of Elizabethan Theatre. Cambridge: CUP, 1935.

Bradley, AC. Shakesperean Tragedy. 1904. London: Penguin, 1991.

Chaudhuri, Sukanta. Ed. Renaissance Essays. Oxford: OUP, 1995.

Dollimore, Jonathan and Alan Sinfield. Eds. Political Shakespeare. Manchester: MUP, 1985.

Esslin, Martin. The Theatre of the Absurd. New York: Penguin, 1969.

Nagarajan, S and S Viswanathan. Eds. Shakespeare in India. New Delhi: OUP, 1987.

Nicoll, Allardyce. British Drama. New York: Barnes & Noble, 1963.

Pollard, AW. English Miracle Plays, Moralities and Interludes. Oxford: Clarendon, 1954.

Steiner, George. The Death of Tragedy. London: Faber and Faber, 1961.

Styan, JL. The Elements of Drama. Cambridge: CUP, 1969.

---. Modern Drama: Theory and Practice. 3 vols. Cambridge: CUP, 1981.

Williams, Raymond. Drama: From Ibsen to Brecht. London: Chatto & Windus, 1965.

A.L. Rowse, The Annotated Shakespeare: Complete Works, illustrated Orbis Publishing, Limited, 1978.

Yates, Francis A. Shakespeare's Last Plays: A New Approach, London: Routledge & Kegan Paul, 1975.

Uphaus, Robert W. Beyond Tragedy: Structure and Experience in Shakespeare's Romances, Lexington, KY: The University Press of Kentucky, 1981.

Kermode, Frank. William Shakespeare: The Final Plays, London: Longmans, Green, 1963.

Barber, C. L. Shakespeare's festive comedy; a study of dramatic form and its relation to social custom. Princeton: Princeton University Press, 1959.

Knowles, James. Shakespeare's late plays: new readings. Edinburgh University Press, 1999.

Iyengar, K.R. Srinivasa. (2011 ed). Shakespeare: His World and His Art.

Ceslun 6/1/20

Shaneby 6/1/2020

Shaneby 6/1/2020

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Shaneby 6/1/2020

Modhu 6.1.2020

Shaneby 6.1.2020

M.A. English
Semester - I
Paper- III
Prose -I

Maximum Marks 80

Unit I

Background: The Essay: Definition, Origin and Development, The Aphoristic Essay, The Character Writers, The Periodical Essay and Social Essay, The Reviews, The Personal Essay.

Unit II

Francis Bacon: Selected Essays: Of Studies, Of Truth, Of Beauty (All Detailed)

Unit III

Thomas Browne: Urn Burial (Detailed)

Unit IV

Joseph Addison: Sir Roger at Home, Sir Roger at the Assizes, Sir Roger at Church (All Detailed)

Richard Steele: Recollections of Childhood, The Spectator Club (Non-Detailed)

Unit V

Samuel Johnson: Life of Milton (Non-Detailed)

R. L. Stevenson: Walking Tours, An Apology for Idlers, El Dorado (All Detailed)

Note: Annotations shall be based on the texts prescribed for detailed study.

Chellum 6/1/20

Harob 6/1/20

Pras 6/1/2020

Wing 6/1/2020

Madhu 6.1.2020

Prinje 6.1.2020

Recommended Reading:

Corbridge : Addison

Hugh Walker : English Essays and Essayists

Dobre : English Prose Style

Smithens : Life of Joseph Addison

B.Prasad : An Introduction to the Study of Literature

Boulton, Marjorie. *The Anatomy of Prose*. London: Routledge and Kegan Paul, 1954.

Chaudhuri, Sukanta. Ed. *Bacon's Essays: A Selection*. New Delhi: OUP, 1977.

Daniel, David. *The Bible in English: Its History and Influence*. Yale: Yale University Press, 2003.

Gross, John. Ed. *The New Oxford Book of English Prose*. Oxford: OUP, 2000.

Read, Herbert. *English Prose Style*. 1928. New York: Pantheon Books, 1952.

Robinson, Ian. *The Establishment of Modern English Prose in the Reformation and the Enlightenment*. Cambridge: CUP, 1998.

Saintsbury, George. *A History of English Prose Rhythm*. London: Macmillan, 1912.

Shklovsky, Victor. *Theory of Prose*. London: Dalkey Archive Press, 1991.

Madhu 6/1/20

Offendy 6/1/20

Shirazi
6/1/2020

Indu
6/1/2020

Madhu
6.1.2020

Shirazi
6.1.2020

**M.A. English
Semester - I
Paper - IV
Fiction - I**

Maximum Marks 80

Unit I

Origin and Development of the English Novel

Unit II

John Bunyan: The Pilgrim's Progress

Daniel Defoe: Robinson Crusoe

Unit III

Henry Fielding: Tom Jones

Oliver Goldsmith: The Vicar of Wakefield

Unit IV

Sir Walter Scott: Ivanhoe

Jane Austen: Pride and Prejudice

Unit V

Charles Dickens: The Great Expectations

Emily Brontë: Wuthering Heights

Madhu 6/1/20

Swai
6/1/2020

Harsh 6/1/20

Wagner
6/1/2020

Madhu
6.1.2020

P. Ranjith
6.1.2020

Recommended Reading:

McClough Bruce : Representative English Novels.

~~James~~ Nara, Nardy : Moral Art of Dickens.

Edward, Wagenknecht : Cavacadet. English Novel.

Malcolm, Bradburry : The Modern British Novel.

Arnold, Kettle An Introduction to English Novel. Vol. I, Vol. II.

Auerbach, Eric. Mimesis: The Representations of Reality in Western Literature. Princeton: Princeton UP, 2003.

Booth, Wayne C. The Rhetoric of Fiction. Chicago: University of Chicago Press, 1961.

Boulton, Marjorie. The Anatomy of the Novel. London: Routledge and Kegan Paul, 1975.

Eagleton, Terry. The English Novel: An Introduction. Oxford: Blackwell, 2004.

Forster, EM. Aspects of the Novel. London: Edward Arnold, 1927.

Lodge, David. The Art of Fiction. New York: Viking, 1992.

Lubbock, Percy. The Craft of Fiction. London: Jonathan Cape, 1921.

Lukacs, Georg. The Theory of the Novel. Cambridge: MIT Press, 1971.

Scholes, Robert. Elements of Fiction. Oxford, OUP, 1968.

Schorer, Mark. "Technique as Discovery". The Hudson Review. 1. 1 (1948): 67-87.

Watt, Ian. The Rise of the Novel. London: Peregrine, 1970.

Wardlaw 6/1/20

Finai
6/1/2020

Barclay 6/1/20

John
6/1/2020

Madhu
6.1.2020

Juneja
6.1.2020

M.A. English
Semester - I
Paper -V
Language Management and Communication Skills - I

Maximum Marks 80

Unit I: Communication Skills

The Role of Communication
Meaning and Definition
Process of Communication
Models of Communication
Elements of Communication
Essentials of Communication
Types of Communication: Verbal and Non-Verbal
Barriers to Communication
7Cs of Effective Communication

Unit II: Speaking Communications

Meaning, Advantages and Limitations
Interpersonal Skills: Greetings, Introducing self and others
Apologising, Inviting and Giving Permission-Accepting and Refusing
Complaining
Asking for Directions and Giving Directions

Unit III: Listening Skills

Significance, Nature and Purpose of Listening
Types of Listening
Barriers to Active Listening
Developing Listening Skills

Unit IV: Grammar (A)

Subject-Verb Agreement
Determiners
Prepositions
Basic Sentence Patterns

Unit V: Vocabulary (A)

One Word Substitutes
Words often confused (Homonyms, Homophones and Collocations).
Using the same word as different Parts of Speech

ks khun 6/1/20

Prady 6/1/20

Hinari 6/1/2020

Sub 6/1/2020

Madhu 6.1.2020

Pranaj 6.1.2020

Recommended Reading:

Leech, Geoffrey. and Svartik, Ian. A Communicative Grammar of English.

Quirk, Randolph and Greenbaum Sydney. A University Grammar of English. London: Longman.

Greenbaum, Sydney and Gerald Nelson. An Introduction to English Grammar. 2nd Edition. Pearson, 2009.

Thomson, A. J. and A. V. Martinet. A Practical English Grammar. 4th Edition. OUP, 2009.

Tickoo, M. L. et al. Intermediate Grammar, Usage and Composition. Orient BlackSwan, 2017.

Wood, F. T. A Remedial English Grammar for Foreign Students. Macmillan, 2010.

Wren, P. C. and H. Martin. High School English Grammar and Composition. Blackie ELT Books, 2016

Harris, Muriel. Prentice Hall Reference Guide to Grammar and Usage. 2nd Edition. Prentice Hall, 1994.

A Glossary of English Grammar by Geoffrey Leech (Free Download)

Allen, W.S. Living English Structure. Longman.

Adair, John. Effective Communication. London: Pan Macmillan Ltd., 2003.

Fitikides, T. J. Common Mistakes in English. London: Orient Longman, 1984.

Hasson, Gill. Brilliant Communication Skills. Great Britain: Pearson Education, 2012.

Sharma, R. C. & Krishna Mohan. Business Correspondence and Report Writing: Third Edition. New Delhi: Tata McGraw-Hill Publishing company Limited, 2007.

Turton, N. D. & J. B. Heaton. Longman Dictionary of Common Errors. Essex: Longman, 1987. First Indian Edn. 1998.

Cambridge English Pronouncing Dictionary by Daniel Jones

Ranjan, Bhanu. An Approach to Communication Skills. Dhanpat Rai & CO, 2011.

Chhabra, T. N. Professional Communication. Sun India Publication. 2010.

W. S. Allen 6/1/20

Adair 6/1/20

Fitikides 6/1/2020

Hasson 6/1/2020

Modhu 6.1.2020

Sharma 6.1.2020

**M.A. English
Semester - II
Paper - I
Poetry - II**

Maximum Marks 80

Unit I

Classical and Romantic Poetry, Pre-Raphaelite Poetry, Victorian Poetry, Modern British Poetry

Unit II

William Wordsworth: Tintern Abbey, Ode on Intimations of Immortality (Detailed)

Samuel Taylor Coleridge: Kubla Kan (Non-Detailed)

Percy Bysshe Shelley: Ode to the West Wind (Non-Detailed)

John Keats: Ode to a Nightingale (Non-Detailed)

Unit III

Christina Rossetti: Goblin Market (Non-Detailed)

Lord Alfred Tennyson: Ulysses (Non-Detailed)

Robert Browning: My Last Duchess, The Last Ride Together (Detailed)

Mathew Arnold: The Scholar Gypsy (Non-Detailed)

Unit IV

W. B. Yeats: Second Coming, Sailing to Byzantium (Detailed)

T.S. Eliot: The Waste Land (First Two Sermons) (Non-Detailed)

Unit V

W.H. Auden: The Shield of Achilles (Non-Detailed)

Wilfred Owen: The Strange Meeting (Non-Detailed)

Edith Sitwell: Still Falls the Rain (Non-Detailed)

Note: Annotations shall be based on the texts prescribed for detailed study.

Asad Khan
6/1/20

Manab
6/1/20

John
6/1/2020

Madhu
6.1.2020
Page 974 of 2144

Diya
6.1.2020

Pranav
6/1/2020

Recommended Reading:

Bowra, C.M. The Romantic Imagination.

Bate, Walter Jackson. From Classes to Romantic.

James, R.A. Scott. The Making of Literature.

Welley, Basil. The Eighteenth Century Background.

Jacson, J. Collected Coleridge.

Williamson, Alan. Introspection and Contemporary Poetry. Harvard University Press, 1984.

Loucks, James F., and Andrew M. Stauffer. Robert Browning's Poetry. W. W. Norton, 2007.

Harold, Charles. Robert Browning: Tradition, 2012. Online available free.

Stallworthy, J. Wilfred Owen. OUP, 1974.

Hibberd, D. Owen the Poet. Macmillan, 1986.

Simcox, K. Wilfred Owen: Anthem for a Doomed Youth. Woburn, 1987.

Fuller, John. A Reader's Guide to W. H. Auden. Thames and Hudson. 1964.

Hendon, Paul. The Poetry of W. H. Auden. Palgrave Macmillan, 2000.

Bloom, Harold. W. H. Auden: Modern Critical Views. Chelsea House, 1991.

Childs, Peter. Modernism. New Critical Idiom Series. London: Routledge, 2003.

Day, Aidan. Romanticism. New Critical Idiom Series. London: Routledge, 2003.

Eagleton, Terry. How to Read a Poem. Oxford: Blackwell, 2007.

Manning, Peter. (1990). Reading Romantics: Texts and Contexts, New York: Viking.

Boulton, Marjorie. (1953). The Anatomy of Poetry. London: Routledge and Kegan Paul.

Wadhwa 6/1/20

Harold 6/1/20

Finer
6/1/2020

hhy
6/1/2020

Modhu
6.1.2020

Diuneja
6.1.2020

M.A. English
Semester - II
Paper- II
Drama - II

Maximum Marks 80

Unit I

The Types of Drama

Tragedy, Melodrama, The Heroic Play, Problem Play, Comedy: Comedy of Errors, Comedy of Manners, Sentimental Comedy, Comedy of Character or Humours, Farce, Didactic Drama, Historical Plays, Tragi-Comedy, Expressionistic Drama, Poetic Drama

Unit II

Richard Brinsley Sheridan: The Rivals (Detailed)

Oliver Goldsmith: She Stoops to Conquer (Non-Detailed)

Unit III

John Galsworthy: Justice (Non-Detailed)

John Millington Synge: Riders to the Sea (Non-Detailed)

Unit IV

George Bernard Shaw: Arms and the Man (Detailed)

Unit V

T.S. Eliot: Murder in the Cathedral (Detailed)

Note: Annotations shall be based on the texts prescribed for detailed study.

Aslam 6/1/20

Prasanna
6/1/2020

Abdul 6/1/20

Sham
6/1/2020

Madhu
6.1.2020

Pranav
6.1.2020

Recommended Reading:

David Green and E.M. Stephens : J.M. Synge

Lady Gregorys : Our Irish Theatre

Nicholas Grene : Synge : A Critical Study of the Plays.

Raymond Williams : Drama from Ibsen to Brecht

A Nicoll : History of the English Drama 1660-1900

Eric, Entley : Shaw : A Reconsideration

Martin meisel : Shaw and the Nineteenth Century Theatre

Joseph Chian : T.S. Eliot Poet and Dramatist.

R. David Clark : Twentieth Century Interpretation of Murder in Cathedral

Browler, L.R.M. Rhetoric and Prosody

Nicoll. .British Drama,

Browne, E.Martin. The Making of T.S. Eliot's Plays. OUP.

Broker, Spears J.Ed. Twentieth Century Interpretations of Murder in the Cathedral.

Cuddon. Dictionary of Literary Terms.

Berst, Charles A. Bernard Shaw and the Art of Drama. Urbana: University of Illinois Press, 1973.

Burton, Richard. Bernard Shaw: The Man and the Mask. New York: Henry Holt and Company, 1916.

Madhu 6/1/20

Shruti 6/1/2020

Arund 6/1/20

Shruti 6/1/2020

Madhu 6.1.2020

Shruti 6.1.2020

**M.A. English
Semester - II
Paper - III
Prose - II**

Maximum Marks 80

Unit I

Types of Prose (Descriptive Prose, Narrative Prose, Expository Prose), Forms of Prose (Essay, Letter, Travelogue, Biography, Autobiography, Diary, Speech,)

Unit II

Thomas Moore: Utopia (Non-Detailed)

Niccolo Machiavelli: The Prince (Non-Detailed)

Unit III

Charles Lamb: Dream Children, A Bachelor's Complaint, Christ's Hospital (Detailed)

William Hazlitt: On Going a Journey, The Indian Juggler (Non-Detailed)

Unit IV

Thomas Carlyle: Hero as a Poet (Detailed)

John Ruskin: Sesame (Non-Detailed)

Unit V

A. G. Gardiner: On Saying Please, On the Rule of the Road (Detailed)

Virginia Woolf: A Room of One's Own (Non-Detailed)

Note: Annotations shall be based on the texts prescribed for detailed study.

Chellum 6/1/20

Aravind 6/1/20

Praveen 6/1/2020

Indira Madhu 6.1.2020
6/1/2020
Diureja 6.1.2020

Recommended Reading:

Minto : A Manual of English Prose

Legouis and Cazamian : A History of English Literature

Arther Compton-Rickelt : A History of English Literature

Hugh Walker : The Literature of the Victorian Era

A.C. Benson : Ruskin

E. Albert : A History of English Literature

B. Willey : Nineteenth Century Study

Bloom, Harold, The Anxiety of Influence (New York: Oxford University Press, 1997)

-----, Essayists and Prophets. Chelsea House, 2005.

-----, The Western Canon: The Books and School of the Ages. New York: Harcourt Brace, 1994.

-----, ed., Thomas Carlyle. New Haven, CT: Chelsea House, 1986.

Cumming, Mark, ed., The Carlyle Encyclopedia. Cranford, NY: Associated University Presses, 2004.

Bell, Quentin. Virginia Woolf: A Biography. New York: Harcourt Brace Jovanovich, 1972.

Bond, Alma Halbert. Who Killed Virginia Woolf?: A Psychobiography. New York: Human Sciences Press, 1989.

Ebenstein, William. Great Political Thinkers. (4th ed.). New York, 1982.

Lesley
6/1/20

He.
6/1/2020

Harvey 6/1/20

Hygee
6/1/2020

Madhu
6.1.2020

Pineja
6.1.2020

**M.A. English
Semester II
Paper IV
Fiction II**

Maximum Marks 80

Unit I

Figures of Speech, Structuralism, Imagism, Symbolism, Stream of Consciousness, Science Fiction.

Unit II

Thomas Hardy: Tess of the D'Urbervilles

James Joyce: A Portrait of the Artist As a Young Man

Unit III

Iris Murdoch: The Sand Castle

D.H. Lawrence: Sons and Lovers

Unit IV

Joseph Conrad: Heart of Darkness

George Orwell: Animal Farm

Unit V

William Golding: Lord of the Flies

Doris Lessing: The Grass is Singing.

Madhu
6/1/20

Parvathy 6/1/20

Prasanna
6/1/2020

Shreyas
6/1/2020

Madhu
6.1.2020

Prineetha
6.1.2020

Recommended Reading:

M.H. Abrams : A Glossary of Literary Terms

Davidson, Ian : Dictionary of Literary Terms and Literary Theory

Karl Fredrick : Joseph Conrad : The Three Lives : A Biography

Cadric Walts : Conrad's Heart of Darkness : A Critical and Contextual Discussion.

Ian Watt : Conrad in the Nineteenth Century

Cecil David. Hardy the Novelist.

Beach, J. Warren : The Technique of Thomas Hardy'

Todd, Richard. Iris Murdoch. London: Methuen, 1984.

Ramanathan, Suguna. Iris Murdoch: Figures of Good, London: Macmillan, 1990.

Conradi, Peter. Iris Murdoch: The Saint and the Artist. London: Macmillan Press, 1986.

Baker, Isadore L. George Orwell: Animal Farm. London: Brodie, 1961.

Marx, K. and Engels, F. (1848) The Communist Manifesto.

Russell Bertrand, Power: A New Social Analysis, New York: Routledge 2004.

Schlueter, Paul. 1973. The Novels of Doris Lessing. Carbondale and Edwardsville: Southern Illinois University Press.

Janik, D. I. 2002. Modern British Women Writers: An A to Z

Kulkarni, I. (2003). The Novels of William Golding. New Delhi: Atlantic Publishers Distributors, (P) Ltd

Stade, G; Karbiennner, K. 2009. The Encyclopedia of British Writers, 1800 to the Present, Volume 2. New York: Infobase Publishing

Brodskaiā, N V. Symbolism. Parkstone International, 2012. Print.

Carey, John. William Golding: The Man Who Wrote Lord of the Flies: a Life. Free P, 2010.

Leslie
6/1/20

Handy 6/1/20

Lee
6/1/2020

Hyee
6/1/2020

Madhu
6.1.2020

Diwani
6.1.2020

M.A. English
Semester - II
Paper -V
Language Management and Communication Skills -II

Maximum Marks 80

Unit I: Reading Skills

Basic Purpose of Reading

The Five Pillars of Reading: Phonemic Awareness, Phonics, Fluency, Vocabulary and Comprehension.

Unit II: Written Skills

Paragraph Development

Précis Writing

Note Making and Note Taking, Advertisement

Notices, Agenda and Minutes of Meetings

Writing a Resume / Curriculum Vitae

Writing Book and Film Reviews

Unit III: Group Discussion and Oral Presentation Skills

Purpose, Types, Considerations in Group Discussion

Seminar, Conference and Workshop

Essential Features of a Good Presentation

Audio-visual Aids in Presentation

Unit IV: Grammar (B)

Verb Forms, Auxiliaries and Modal Auxiliaries

Tenses

Narration

Voice

Unit V: Vocabulary (B)

British English and American English

Word Formation (Prefixes, Suffixes, Conversion, Compounding, Back Formation, Onomatopoeia)

Madhu
6/1/20

Dandya 6/1/20

Praveen
6/1/2020

Shree
6/1/2020

Madhu
6.1.2020

Praveen
6.1.2020

Recommended Reading:

- Leech, Geoffrey. and Svartik, Ian. A Communicative Grammar of English.
- Quirk, Randolph and Greenbaum Sydney. A University Grammar of English. London: Longman.
- Greenbaum, Sydney and Gerald Nelson. An Introduction to English Grammar. 2nd Edition. Pearson, 2009.
- Thomson, A. J. and A. V. Martinet. A Practical English Grammar. 4th Edition. OUP, 2009.
- Tickoo, M. L. et al. Intermediate Grammar, Usage and Composition. Orient BlackSwan, 2017.
- Wood, F. T. A Remedial English Grammar for Foreign Students. Macmilan, 2010.
- Wren, P. C. and H. Martin. High School English Grammar and Composition. Blackie ELT Books, 2016
- Harris, Muriel. Prentice Hall Reference Guide to Grammar and Usage. 2nd Edition. Prentice Hall, 1994.
- A Glossary of English Grammar by Geoffrey Leech(Free Download)
- Allen, W.S. Living English Structure. Longman.
- Adair, John. Effective Communication. London: Pan Macmillan Ltd., 2003.
- Fitikides, T. J. Common Mistakes in English. London: Orient Longman, 1984.
- Hasson, Gill. Brilliant Communication Skills. Great Britain: Pearson Education, 2012.
- Sharma, R. C. & Krishna Mohan. Business Correspondence and Report Writing: Third Edition. New Delhi: Tata McGraw-Hill Publishing company Limited, 2007.
- Turton, N. D. & J. B. Heaton. Longman Dictionary of Common Errors. Essex: Longman, 1987. First Indian Edn. 1998.
- Cambridge English Pronouncing Dictionary by Daniel Jones
- Ranjan, Bhanu. An Approach to Communication Skills. Dhanpat Rai & CO, 2011.
- Chhabra, T. N. Professional Communication. Sun India Publication. 2010.

Wardham
6/1/20

Arwal'
6/1/2020

Randy 6/1/20

Shyju
6/1/2020

Madhu
6.1.2020

Pruneji
6.1.2020

**PANDIT RAVISHANKAR SHUKLA UNIVERSITY,
RAIPUR (C.G.)
M. A. ENGLISH (SEMESTER SYSTEM) 2020-21
SCHEME OF MARKS**

THIRD SEMESTER

Semester	Paper	Title	Marks		Total
			Theory	Internal	
III	I	Critical Theory - I	80	20	100
	II	Indian Writing in English -	80	20	100
	III	American Literature - I	80	20	100
	Optional Papers IV(A) OR IV(B)	Linguistics - I OR English Language Teaching - I	80	20	100
	Optional Papers V(A) OR V(B)	New Literatures in English-I OR Research Methodology and Computer Application- I	80	20	100
			Total		500

FOURTH SEMESTER

Semester	Paper	Title	Marks		Total
			Theory	Internal	
IV	I	Critical Theory - I	80	20	100
	II	Indian Writing in English -	80	20	100
	III	American Literature - I	80	20	100
	Optional Papers IV(A) OR IV(B)	Linguistics - I OR English Language Teaching - I	80	20	100
	Optional Papers V(A) OR V(B)	New Literatures in English-I OR Research Methodology and Computer Application- I	80	20	100
			Total		500

Reshmi 01/1/20

Aranya 01/1/20

Indira Madhu 6.1.2020

Shweta 01/1/2020

**Instructions for Paper Setters and Students
for Semester III and IV**

- Students are expected to study the entire syllabus.
- 20 Questions for section A carrying one mark each shall be asked from the entire syllabus.
- 08 very short answer type Questions (2-3 lines) for section B carrying two marks each shall be asked from Unit I-V
- 08 Short answer type Questions (75 Words) for section C carrying three marks each shall be asked from Unit I-V
- 05 Long answer type Questions(150 words) for section D carrying four marks each shall be asked from Unit I-V with internal choices.

Santhya 6/1/20

Manoj 6/1/20

*Praveen
6/1/2020*

*Shree
6/1/2020*

*Madhu
6.1.2020*

*Prineja
6.1.2020*

M.A. English
Semester III
Paper I
Critical Theory - I

Maximum Marks 80

Unit I

Aristotle: Poetics (Butcher's Edition)

Unit II

Longinus: On the Sublime

Unit III

Philip Sydney: An Apology for Poetry

John Dryden: Essay on Dramatic Poesie

Unit IV

William Wordsworth: Preface to the Lyrical Ballads

Samuel Taylor Coleridge: Biographia Literaria (Chapters XIII to XVII)

Unit V

Matthew Arnold: The Study of Poetry, The Function of Criticism at the Present Times

CSdhu 6/1/20

Manish 6/1/20

Shree
6/1/2020

Madhu
6.1.2020

Shreeji
6.1.2020

Shree
6/1/2020

Recommended Reading:

- Wimsatt and Brooks. Literary Criticism: A Short History. New York : Knopf, 1957.
- Johns Hopkins Guide to Literary Theory and Criticism, Johns Hopkins University Press, 2005.
- Daiches, David. Critical Approaches To Literature. New Delhi, Orient Longman, 1989.
- Abrahms, M.H. The Mirror and the Lamp: Romantic Theory and the Critical Tradition. Oxford and New York: Oxford University Press, 1953.
- Abrams, M. H. A Glossary of Literary Terms. Singapore: Harcourt Asia Pvt. Ltd., 2000.
- Arnold, Matthew. Essays in Criticism. New York: MacMillan and company, 1865.
- Adams, Hazard, ed. Critical Theory Since Plato. New York: Harcourt Brace Jovanovich, 1971.
- Eagleton, Terry. Literary Theory: An Introduction. Minneapolis: University of Minnesota Press, 1983.
- Frye, Northrop. Anatomy of Criticism: Four Essays. Princeton, N.J.: Princeton University Press, 1957.
- Wellek, René, and Austin Warren. Theory of Literature 3rd ed. New York: Harcourt, Brace, 1956.
- D. A. Russell and M. Winterbottom. Ancient Literary Criticism Clarendon Press, Oxford, 1972) by
-----.. Classical literary criticism. Oxford [England] ; New York : Oxford University Press, 1998.
- Rama Swami S. and V.S Sethuraman, ed. The English Critical Tradition -an Anthology of English Literary criticism ,madras; Macmillan India Ltd ,1986.
- Sethuraman,V.S, ed Contemporary Criticism an Anthology, Madras Macmillan 1989.
- Newton ,K.M.ed Twentieth Century Literary Theory; A Reader .Macmillan London 1988
- House, Humphrey. Aristotle's Poetics. Ludhiana: Kalyani Publishers, 1970.
- Lucas, F. L. Tragedy in Relation to Aristotle's Poetics. New Delhi: Allied Publishers, 1970.
- Nagarajan, M.S. English Literary Criticism & Theory: An Introductory History. Hyderabad: Orient Longman, 2006.
- Waugh, Patricia. Literary Theory & Criticism: An Oxford Guide. Delhi: OUP, 2006.
- Wellek, Rene. A History of Modern Criticism: 1750-1950, Vols. I-IV. London: Jonathan Cape, 1958.
- Hawthorn, Jeremy. A Concise Glossary of Contemporary Literary Theory. London: Edward Arnold, 1992.
- Jefferson, Ann and David Robey, eds. Modern Literary Theory. New York: Barnes and Noble, 1982.
- Krishnaswamy et al. Contemporary Literary Theory: A Student's Companion. New Delhi: Macmillan, 2000.

CS Lakshmi 6/1/20

AP 6/1/20

Praveen 6/1/2020

Indira 6/1/2020

Madhu 6.1.2020
Page 987 of 2144

Praveen 6.1.2020

M.A. English
Semester III
Paper II
Indian Writing in English - I

Maximum Marks 80

Unit I

Sri Aurobindo: Savitri - Book I, Canto I

Rabindranath Tagore: Gitanjali (Songs 1 to 15)

Unit II

Kamla Das: The Freaks, A Hot Noon in Malabar, The Sunshine Cat, The Looking Glass.

Nissim Ezekiel: Enterprise, Night of the Scorpion, Poet, Lover and Birdwatcher.

Unit III

Badal Sircar: Evam Indrajit

Girish Karnad: Nagamandala

Unit IV

Nirad C. Chaudhuri: The Autobiography of an Unknown Indian

M. K. Gandhi: The Story of My Experiments with Truth

Unit V

Raja Rao: Kanthapura

Mulk Raj Anand: Coolie

10/11/20

6/11/20

6/11/2020

6/11/2020

Madhu 6.1.2020

6.1.2020

Recommended Reading:

- Iyengar, K. R. S. Indian Writing in English. New Delhi: Sterling, 1985.
- King, Bruce. Modern Indian Poetry in English. New Delhi: Oxford University Press, 1987.
- Mukherjee, Meenakshi. Twice Born Fiction. New Delhi: Heinemann, 1971. Print.
- The Perishable Empire: Essays on Indian Writing in English. New Delhi: Oxford University Press, 2000.
- Shyamala, A. Narayan : Raja Rao (Man and His Works). New Delhi: Sterling, 1988.
- Tharu, S. and K. Lalitha, Women Writing in India: 600BC to the Present, 2 vols. New Delhi: Oxford University Press, 1995.
- Naik, M. K. ed., Aspects of Indian Writing in English. Delhi: Macmillan, 1979.
- Raina, Sita, "A Note on the Play", Where There's a Will in Collected Plays Mahesh Dattani, New Delhi: Penguin Books, 2000.
- Rangacharya, Adya. The Indian Theatre. New Delhi: National Book Trust, 1971.
- Sinha, T. Nirad C. Chaudhuri: A Sociological and Stylistic Study of His Writings During the Period 1951-72. Patna: Janaki Prakashan. 1981.
- Chaudhuri, Kuthari, Asha, Contemporary Indian Writers in English: Mahesh Dattani. New Delhi: Foundation Books Pvt.Ltd.Cambridge House, 2005.
- Iyengar, K. R. S. Indian Writing in English. New Delhi: Sterling, 1985.
- Karnani, C., Nirad C. Chaudhuri. USA: Twayne Publishers, 1980.
- Kaul, R. K. Nirad C. Chaudhuri: The Renaissance Man, Delhi: Rawat Publications, 1998.
- Kohli, Devendra. Kamla Das, Arnold Heinemann, New Delhi.
- Multani, Angelie ed.: Mahesh Dattani's Plays: Critical Perspectives. Delhi: Pencraft, 2007.
- Anandavardhana, Dhvanyaloka, (Eng. tr.) K. Krishnamoorthy, Delhi: Motilal Banarsidass, 1981.
- Bharata, Natyasastra, (Eng. tr.) Manomohan Ghosh, Calcutta: Asiatic Society, 1950.
- Kapoor, Kapil. Literary Theory: Indian Conceptual Framework. New Delhi: Affiliated East- West Press, 1998.
- Seturaman, V.S. (ed.) Indian Aesthetics: An Introduction, Delhi: Macmillan India, 1992.
- Raghavan, V. ed. and trans. Indian Heritage: An Anthology of Sanskrit Literature. Bangalore: Indian Institute of Culture, 1956. Print.
- The Number of Rasa, Madras: The Adyar Library and Research Institute, 1940.
- Nagendera. Rasa - Sidhanta. New Delhi: National Publishing House, 1994.
- Anderson, Linda. Autobiography. Landon: Rontledge, 2001.
- Holeyannavar Nagraj (ed.) Trends in Indian English Drama: A Study and Perspectives. Manglam Publishers, New Delhi, 2014
- Parthasarathy, R. (Ed.) Ten Twentieth – Century Indian Poets, Delhi: Oxford University Press, 1976.

CSL 6/1/20
6/1/20

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6.1.2020
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6/1/20
6-1-2020

Peeradina, S. (ed.) Contemporary Indian Poetry in English, Bombay: The Macmillan Co., 1972.

Sett, A.K. (ed.) An Anthology of Modern Indian Poetry, London: John Murray, 1929.

Singh, R.P.N.(ed.) A Book of English Verse on Indian Soil, Bombay: Orient Longmans, 1967.

Dhanvel, P. Girish Karnad. New Delhi: Perstige Books, 2009.

Banerjee, Hiranmay. The Humanism of Tagore: Special Lectures. Mysore: U of Mysore, 1968.

Chattopadhyay, Santinath. The Universal Man: Tagore's Vision of the Religion of Humanity. Calcutta: Naya Prokash, 1987.

Rabindranath Tagore's Aesthetics. New Delhi: Abhinav Publications, 1988.

Iyengar, K.R. Srinivasa. Sri Aurobindo: A Biography and A History. Fourth Revised edition. Pondicherry: Sri Aurobindo International Centre of Education, 1985.

Gokak, V.K. Sri Aurobindo: Seer and Poet. New Delhi: Abhinav Publications, 1973.

Pandit, M.P. Readings in Savitri: Sri Aurobindo's Epic, Vol. I. Pondicherry: Dipti Publications, 1969.

Purani, A.B. Sri Aurobindo's Savitri: An Approach and A Study . Third Impression. Pondicherry: Sri Aurobindo Ashram, 1986.

Cowasjee, Saros. Coolie: An Assessment. Delhi: Oxford Uni. Press, 1976.

Berry, Margarate. Mulk Raj Anand: The Man and The Novelist. Amsterdam: Oriental Press, 1971

Anand, Mulk Raj. Apology For Heroism. Bombay: A.P.H., 1975.

Fischer, Louis. The Life of Mahatma Gandhi. Bombay: Bharatiya Vidya Bhavan, 1965.

Gandhi, Mohandas. The Collected Works of Mahatma Gandhi. Ahmedabad: Navajivan Press and The Government of India, 1958.

----- The Moral Basis of Vegetarianism. Ahmedabad: Navajivan Publishing, 1959.

Ganguly, Amulya. "A Bengali and an Englishman" The Hindustan Times. 24 November 1997.

MacDermott, Doireann. Autobiographical and Biographical Writing in the Commonwealth. Barcelona: Sabadell, 1984.

Meyers, Jeffrey. "Indian Autobiography: Gandhi and Chaudhuri" in Biography: East and West Honolulu: University of Hawaii Press, 1989.

Panikkar, K. N. Culture, Ideology, Hegemony: Intellectuals and Social Consciousness in Colonial India. New Delhi: Tulika, 1995.

Wadhvani
6/1/20
Wadhvani 6/1/20

Wadhvani
6/1/2020

Wadhvani
6/1/2020

Modher
6.1.2020

Wadhvani
6.1.2020

M.A. English
Semester III
Paper III
American Literature - I

Maximum Marks 80

Unit I

Puritanism, Democracy in America, Romanticism in America, Indian Thought in Emerson, Thoreau and Whitman, New England Renaissance, Expressionism

Unit II

Walt Whitman: When Lilacs Last in the Dooryard Bloom'd, I Hear America Singing

Robert Frost: Birches, The Road Not Taken

Unit III

Emily Dickinson: Bring Me the Sunset in a Cup (128), The Soul Selects Her Own Society (303)

Sylvia Plath: Daddy, Lady Lazarus

Unit IV

Eugene O'Neill: The Emperor Jones

Tennessee Williams: The Glass Menagerie

Unit V

Ralph Waldo Emerson: Self Reliance

Henry David Thoreau: Civil Disobedience

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Recommended Reading:

Ashton, Jennifer. *From Modernism to Postmodernism: American Poetry and Theory in the Twentieth Century*. Cambridge, England: Cambridge UP, 2005.

Forester, Norman, et al, eds. *American Poetry and Prose*. 3 Vols. Houghton Mifflin Company, 1970.

Harding, Walter. *Critical Essays on Henry David Thoreau's Walden*. G. K. Hall, 1988.

Martine, James J., ed. *Critical Essays on Eugene O'Neill*. G.K. Hall, 1984.

Stroupe, John H., ed. *Critical Approaches to O'N*. AMS Press, 1988.

Moorton, Richard F., Jr. *Eugene O'Neill's Century: Centennial Views on America's Foremost Tragic Dramatist*. Greenwood Press, 1991.

Tharpe, Jac, ed. *Frost Centennial Essays*. University Press of Mississippi, 1978.

Lentricchia, Frank. *Robert Frost: Modern Poetics and the Landscapes of Self*. Duke UP, 1975.

Axelrod, Steven Gould. *Sylvia Plath: The Wound and the Cure of Words*. Johns Hopkins University Press, 1992.

Deshmane, Chetan. "Sylvia Plath: Antigone of Our Times?". *Plath Profiles* 2 (August 2009): pp. 145-153.

Brooks, Cleanth and Robert Penn Warren. *Understanding Poetry*. Holt, Rinehart and Winston Inc. 1960.

Williamson, Alan. *Introspection and Contemporary Poetry*. Cambridge, MA: Harvard University Press, 1984.

Tharpe, Jac, ed. *Frost Centennial Essays*. Jackson Miss.: University Press of Mississippi, 1978.

Lentricchia, Frank. *Robert Frost: Modern Poetics and the Landscapes of Self*. Durham, NC: Duke UP, 1975.

Axelrod, Steven Gould. *Sylvia Plath: The Wound and the Cure of Words*. Baltimore: Johns Hopkins University Press, 1992.

Deshmane, Chetan. "Sylvia Plath: Antigone of Our Times?" *Plath Profiles* 2 (August 2009): pp. 145-153

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MA English
Semester III
Paper IV A
Linguistics - I

Maximum Marks 80

Unit I

Language: Definition, Characteristics of Human Language, Development of English Language (Chaucerian, Middle English, Modern English) .

Unit II

Linguistics: Definition, Objective, Branches of Linguistics: Phonetics, Phonology, Morphology, Syntax and Semantics. Linguistics and its related Disciplines.

Unit III

Phonetics: Definition, Branches: Articulatory, Acoustic and Auditory phonetics. The Organs of Speech and their Functions

Unit IV

Classification of Human Speech Sounds: Characteristics of Vowels and Consonants, Phonetic Symbols (IPA), Received Pronunciation (RP)

Unit V

Classification of Vowels: On the basis of Height of the Tongue, Parts of the Tongue, Position of Soft Palate, Position of Muscles and Length.

Classification of Consonants: On the basis of Place and Manner of Articulation, Aspiration and Voicing.

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Recommended Reading:

- Sinha, M.P., 2005, Modern Linguistics, Atlantic Publishers and Distributors. University.
- Verma, S.K. and Krishnaswamy, N. 2009. Modern Linguistics. An Introduction. Oxford University Press. India.
- Pyles, Thomas, and John Algeo. The Origins and Development of the English Language. New York: Harcourt Brace Jovanovich, 1993.
- Baugh, Albert C., and Thomas Cable. 2002. A History of the English language. 5th ed. London: Routledge.
- Cable, Thomas. 2002. A Companion to Baugh and Cable's History of the English language. 3d ed. London and New York: Routledge.
- Smith, Jeremy 2005. Essentials of Early English. Old, Middle and Early Modern English. 2nd edition. London: Routledge.
- Fennell, Barbara A. 2001. A History of English: A Sociolinguistic Approach. Oxford: Blackwell.
- Parker, F. and Riley, K. 2005. Linguistics for Non-Linguists. A Primer with Exercises. Pearson. U.S.A.
- Hughes, Geoffrey 2000. A history of English words. Oxford: Blackwell.
- Yule, George. The Study of Language. Cambridge, UK: Cambridge University Press, 2006. Internet resource.
- Lyons, John, 1981, Language and Linguistics: An Introduction, Cambridge University Press.
- McCully, Chris 2009. The Sound Structure of English. An Introduction. Cambridge: University Press.
- Sweet, Henry 1877. Handbook of Phonetics. Oxford: Clarendon Press.
- Sweet, Henry 1908. The Sounds of English. Oxford: Clarendon Press.
- Balasubramanian, T. 2011. A Textbook of English Phonetics for Indian Students. MacMillan. India.
- Bansal, R.K. and Harrison, J.B. 2009. Spoken English. Orient Black Swan Private Limited. India.
- Crystal, D. 2003. The Cambridge Encyclopedia of Language. Second Edition. Cambridge University Press. Cambridge.
- 2008. A Dictionary of Linguistics and Phonetics. Sixth Edition. Blackwell Publishing Ltd. U.K.
- Gimson, A.C. 1980. An Introduction to the Pronunciation of English. Third Edition. Edward Arnold. London.
- Jones, D. 1976. An Outline of English Phonetics. Cambridge University Press. Cambridge.
- 1992. The Pronunciation of English. Universal Book Stall, New Delhi.
- O'Connor, J. D. Better English Pronunciation. Cambridge: Cambridge University Press, 1967.
- Quirk, R. and Greenbaum, S. A University Grammar of English. London: Longman, 1973.
- Hockett, Charles F. 1958, A course in modern linguistics, New York: MacMillan.
- Bloomfield, Leonard, 1914 An introduction to the study of language, Benjamins, Amsterdam.
- , 1933 Language, London: Allen and Unwin.
- Chomsky, Noam, 1957 Syntactic Structures, The Hague: Mouton.
- Cahill, Lynne. Discovering Phonetics and Phonology. Macmillan Education UK, 2019

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MA English
Semester III
Paper IV B
English Language Teaching - I

Maximum Marks 80

Unit I

What Language Teaching is about? Distinction between L1 and L2, Second Language Learning and Bilingualism, Second Language versus Foreign Language Learning and Acquisition.

Unit II

Language Teaching Theories, Grammar Translation or Traditional Method, Direct Method, Reading Method. The Audio-Lingual Method, The Audio-Visual Method – Features, Virtual Teaching, Real Teaching, Cognitive Theory.

Unit III

The Teaching of Segmental Features of English

The Supra Segmental Features of English

Unit IV

Teaching Plan, Lesson Plan

Audio-Visual and Supplementary Aids,

Unit V

Language Teaching: The Construction and Use of Language Tests

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M.A .English
Semester III
Paper V (A)
New Literatures in English-I

Maximum Marks 80

Unit I

African Culture, Religion and the World View, Colonial and Postcolonial Experiences in African and Caribbean context, the Oral Tradition, the Specificity of Caribbean Literature (Caribbean Poetry), Ethnicity, Hybridity, Creolisation.

Unit II

Kamau Brathwaite: Wings of a Dove

Derek Walcott: Crusoe's Journal

Unit III

Wole Soyinka: The Dance of the Forest

Unit IV

Ngugi Wa Thiong'O: Homecoming

Unit V

Chimamanda Ngozi Adichie: The Purple Hibiscus

Lesley 6/11/20
JP 6/11/20

P. S. 6/11/2020

Shree 6/11/2020
Madhu 6.1.2020
Priyanka 6.1.2020

Recommended Reading:

Aggarwal, J.C. (2010). Landmarks in the history of modern Indian education. New Delhi: Vikas Pub.

Agnihotri, R.K., & Khanna, A.L. (1995). English language teaching in India: Issues and innovations. New Delhi: Sage Publications.

Allen, H. B., & Campbell. (1972). Teaching English as a second language. New Delhi: McGraw-Hill.

Ghosh, R. N. (1977). Introduction to English language teaching: Methods at the college level (Vol.3). Hyderabad: CIEFL.

Krishnaswamy, N. (2005). Teaching English: Approaches, methods and techniques. India: Macmillan.

Krishnaswamy, N., & Lalita Krishna Swamy. (2006). The story of English in India. New Delhi: Foundation Books Pvt. Ltd.

Krishnaswamy, N., & Sriraman, T. (2006). English teaching in India. Madras: T.R. Publications.

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Recommended Reading:

Brown, Stewart. Ed. *The Art of Kamau Brathwaite*. Glamorgan: Seren, 1995.

Brathwaite, Kamau. "An Interview with Kamau Brathwaite." *Conversations with Nathaniel Mackey*. Staten Island, NY: We Press, 1999.

Glissant, Edouard. *Caribbean Discourse*. Trans. J. Michael Dash. Charlottesville: UP of Virginia, 1999.

Baugh, Edward. *Derek Walcott*. Cambridge: Cambridge University Press, 2006.

Burnett, Paula. *Derek Walcott: Politics and Poetics*. Gainesville: University of Florida Press, 2000.

Brown, Stuart, ed. *The Art of Derek Walcott*. Chester Springs: Dufour, 1991.

Paravisini-Gebert, Lizabeth. *Literature of the Caribbean*. Westport: Greenwood Press, 2008

Wa Thiongo, Ngugi. *Decolonizing the Mind : The Politics of Language in African Literature*. London: James Currey 1986.

-----Homecoming : Essays on African and Caribbean Literature, Culture and Politics Heinemann, London, 1972.

Dathrone, O.R. *African literature in the Twentieth Century*. London: Heinemann, 1979. Izevbye, Dan.

Moore, Gerald. *Twelve African Writers*. London: Hutchinson & Co. Ltd. 1980.

Benham, Martin. *African Theatre Today*. London: Pitman Publishing, 1976.

Larson, Charles. *The Emergence of African Fiction*. Bloomington: Indiana Univ. Press, 1971.

Jones, Eldred. *The Writing of Wole Soyinka*. Heinemann, 1987.

Wright, Derek. *Wole Soyinka: Life, Work, and Criticism*. York Press: Queensland Press, 2001.

Okpaku, Joseph. Ed. *Nigeria: Dilemma of Nationhood*. Westport, CT: Greenwood Publishing, 1972.

Pandurang Mala and Anke Bartels. (eds.) *African Women Novelists: Re-imaging Gender*. New Delhi: Pencraft International. 2010.

Oyewumi, Oyeronke. *African Women and Feminism: Reflecting on the Politics of Sisterhood*. Trenton, N. J.: Africa World Press, 2003. Print.

Hudson-Weems, Clenora. *Africana Womanism: Reclaiming Ourselves*. New York : Bedford Publishing, 1998.

Paravisini-Gebert, Lizabeth. *Literature of the Caribbean*. Westport: Greenwood Press, 2008

Mardorossian, Crine M. *Reclaiming Difference: Caribbean Women Rewrite Postcolonialism*. Charlottesville: U of Virginia.P, 2005.

Dash, J. Michael. *The Other America: Caribbean Literature in a New World Context*. Charlottesville: University of Virginia Press, 1998.

The Cambridge History of African and Caribbean Literature 2 Vols. Cambridge History of Australian Literature ed. Peter Pierce.

Griffith, Paul A. *Afro-Caribbean Poetry and Ritual*. Basingstoke: Palgrave Macmillan, 2010.

King, Bruce. *The New literatures: Cultural Nationalism in a Changing World*. Macmillan, 1987.

Fanon, Frantz. *Black Skins, White Masks*. Pluto Press: London, 1986

-----The Wretched of the Earth. Algeria : Grove Press, 1965.

Ashcroft, Bill Ashcroft et al, eds.. *The Empire Writes Back: Theory and Practice in Post- Colonial Literatures* Routledge

-----The Post-Colonial Studies Reader, London and New York: Routledge, 2006.

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M.A. English
Semester III
Paper V (B)
Research Methodology and Computer Application- I

Maximum Marks 80

Unit I: Meaning and Nature of Research

What is research?
Objectives of Research
The fundamentals of Research
Characteristics of Research
Types of research
Criteria of a Good Research
Qualities of a Good Researcher

Unit II: Materials and Tools of Research

Primary and Secondary sources Books, Anthologies, Biographies, Thesauruses, Encyclopaedia, Conference proceedings, Unpublished theses, Newspaper articles, Journals, e-journals, Monographs, Translations, Web references, Library catalogues, Literature Resource Center, Govt. publications, Special libraries, Advanced study centers, Virtual libraries, Web search engines, CDs, DVDs etc.

Unit-III: Research in Literature and Language

Literary research and research in other Disciplines
Literary research-Interpretative, Theoretical, Biographical etc
Research methods in Linguistics
Research methods in Literature
How research in language is different from research in literature
Emerging areas of research in language and literature
Use of literary and linguistic theories in research

Unit-IV: Methods and Techniques of Research

Research Methods vs. Research Methodology
Variants in Methodology
Types of methods: Statistical, Sampling, Applied, Case study,
Survey, Interpretative, Experimentation, Interviews, Questionnaire etc
Evaluation of different methods: Historic, Comparative, Descriptive, Scientific

Unit-V: Computer Basics

MS-Word: Creating, editing and formatting a document
Text entry, font, text style and alignment
Understanding page layout, page set up, header and footer, numbering pages
Formatting paragraphs with paragraph spacing, bullet and numbering
Using grammar and spell check utilities
Print preview, printing a document.
MS-Excel: Workbook, worksheets and cells
Entering data in worksheet
Editing and formatting data using formulas and function
Generating graphs using graph features.

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Recommended Reading

Anderson, Jonathan and Millicent Poole. *Assignment and Thesis Writing*. 4th ed. Wiley, 2016.

Hunt, Andy (2005), *Your Research Project*, New Delhi: Foundation Books

Abdul Rahim, F. (2005), *Thesis Writing: A Manual for Researchers* (New Delhi: New Age International)

MLA Handbook for Writers of Research Papers. 7th ed. MLA, 2009.

MLA Handbook. 8th ed. MLA, 2016.

Eliot, Simon and W. R. Owens (4th ed. 1998), *A Handbook to Literary Research*, London: Routledge & Open University

Miller, R. H. (1995), *Handbook of Literary Research*, Methuen

Lenburg, Jeff (2007), *Guide to Research*, Viva Books

Oakman, Robert L. (1984), *Computer Methods for Literary Research*, Athens: University of Georgia Press

Altick, R. D. (1963), *The Art of Literary Research*, New York: Norton

Harner, James L. (2002), *Literary Research Guide: An Annotated Listing of Reference Sources in English Literary Studies*, New York: MLA of America

Barker, Nancy and Nancy Hulig (2000), *A Research Guide for Under Graduate Students: English and American Literature*, New York: MLA of America

Gupta, R. K. (1971), *American Literature Fundamentals of Research*, ASRC Hyderabad

Mishra, D. S. (1989), *A Grammar of Literary Research*, New Delhi: Harman Publishing House

Chaskar, A (2009), *Doing Research in Literature and Language*, V.P. Pune

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M.A. English
Semester IV
Paper I
Critical theory - II

Maximum marks 80

Unit I

Bharata Muni: Natya Shastra (Rasa Theory)

Acharya Anandavardhana: Dhvanyaloka

Unit II

T.S. Eliot: Tradition and the Individual Talent

Unit III

I.A. Richards: Four Kinds Of Meaning, Communication and the Artist, Practical Criticism

Unit IV

Ferdinand de Saussure : Nature of the Linguistic Sign

Michael Foucault: What is an Author?

Unit V

Northrop Frye: The Function of Criticism at the Present Time

Elaine Showalter: Feminist Criticism in the Wilderness

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Recommended Reading:

- Devy, GN. Indian Literary Criticism: Theory and Interpretation. Hyderabad: Orient Longman, 2002.
- Kapoor, Kapil. Literary Theory: Indian Conceptual Framework. New Delhi: West Press, 1998.
- Mukherjee, Sujit. A Dictionary of Indian Literature. Vol I (Beginnings to 1850). Hyderabad: Orient Longman, 1998.
- Elizabeth Kowalski Wallace, ed. Encyclopaedia of Feminist Literary Theory. New York: Garland, 1997.
- Mohanty, Chandra Talpade. Feminism Without Borders: Decolonizing Theory, Practicing Solidarity. London: Duke University Press, 2003.
- Patricia Mayor Spack. Female Imagination - The Feminist Reader: Feminism and Definition of Cultural Politics- Catherine Besley & J. Moore. Macmillan, Basing Stoke, 1989.
- Gender Trouble: Feminism and Subversion of Identity –Judith Butler
- Friedan, Betty. The Feminine Mystique. Penguin, Harmondsworth. 1971.
- Showalter, Elaine. A Literature of Their Own: From Charlotte Brontë to Doris Lessing. Rev. and expanded ed. London: Virago, 1999
- Showalter, Elaine (ed.) The New Feminist Criticism: Essays on Women, Literature, and Theory. 1984, repr. London: virago, 1985.
- Ahmad, Aijaz. In Theory: Classes, Nations, Literatures. New Delhi: Oxford UP, 1993.
- Belsey, Catherine. Critical Practice. London: Methuen, 1980.
- Eagleton, Terry. Literary Theory: an Introduction. Oxford: Blackwell, 1983.
- Foucault, Michel. The Order of Things: An Archaeology of Human Sciences. New York: Pantheon, 1970.
- Leitch, Vincent B, ed. The Norton Anthology of Theory and Criticism. New York: Norton, 2001.
- Lodge, David and Nigel Wood, eds. Modern Criticism and Theory: A Reader. London: Pearson, 2000.
- Richards, IA. Principles of Literary Criticism. London: Routledge, 2003.
- Said, Edward. The World, the Text, and the Critic. Cambridge: Harvard University Press, 1983.
- Seldan, Raman and Peter Widdowson. A Reader's Guide to Contemporary Literary Theory. London: Longman, 2005.
- Sturrock, John. Structuralism and Since: from Levi Strauss to Derrida. Oxford: OUP, 1979.
- Warren, Austen and Rene Wellek. Theory of Literature. New York: Harcourt, 1956.
- Waugh, Patricia. Literary Theory: An Oxford Guide. Oxford: Oxford UP, 2006.
- , and Philip Rice, eds. Modern Literary Theory: A Reader. London: Arnold, 2001.

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**M.A. English
Semester IV
Paper II
Indian Writing in English - II**

Maximum Marks 80

Unit I

R. Parthasarathy: Exile, Trial and Homecoming (from Rough Passage 1977)

Jayanta Mahapatra: Indian Summer, A Missing Person, Hunger

Unit II

Jawaharlal Nehru: The Discovery of India

A. P. J. Kalam: Ignited Minds

Unit III

Vijay Tendulkar: Silence ! The Court is in Session

Mahashweta Devi: The Mother of 1084(Play)

Unit IV

R. K. Narayan: Such Perfection

Jhumpa Lahiri: Interpreter of Maladies (The Title Story)

Unit V

Amitav Ghosh: The Shadow Lines

Arvind Adiga: The White Tiger

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Recommended Reading:

Gopal, Dr S. ed. The Essential Writings of Jawaharlal Nehru: Volumes I & II. OUP India May 2003

Vishwanathan, G. Masks of Conquest: Literary Study and British Role in India. New York: Colombia University Press, 1989.

Olney, James, (Ed.) Autobiography Essays-Theoretical and Critical. New Jersey: Princeton U P. 1980.

Anderson, Linda. Autobiography. London: Routledge, 2001.

Pradeep Tripathi, Ajmar. Multiple Celebration, Celebrating Multiplicity: Girish Karnad. Madras: ARAW LII publication, 2009.

Mehrotra, A. K. (Ed.) Twelve Modern Indian Poets. Calcutta: OUP, 1992.

Nandy Pritish. Indian Poetry in English Today, Delhi: OUP, 1976.

Sarang, Vilas. (Ed.) Indian English Poetry since 1950, Anthology. Hyderabad: Disha Books, 1990.
Ameeruddin, Syed (ed.) Indian Verse in English, Madras: Poet Press India, 1977.

Parthasarathy, R. (Ed.) Ten Twentieth – Century Indian Poets, Delhi: Oxford University Press, 1976.

Peeradina, S. (ed.) Contemporary Indian Poetry in English, Bombay: The Macmillan Co., 1972.

Sett, A.K. (ed.) An Anthology of Modern Indian Poetry, London: John Murray, 1929.

Pandey Sudhakar, Raj Rao (Ed.). Image of India in Indian Novel in English, Orient Blackswan, 1991

Holeyannavar Nagraj (ed.) Trends in Indian English Drama: A Study and Perspectives. Manglam Publishers, New Delhi, 2014

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**M.A. English
Semester IV
Paper III
American Literature - II**

Maximum Marks 80

Unit I

Naturalism, Realism, Existentialism, The Theatre of the Absurd

Unit II

Wallace Stevens: Peter Quince at the Clavier, Of Modern Poetry, Sunday Morning, A Postcard from the Volcano

Unit III

Arthur Miller: All My Sons

Edward Albee: Who is Afraid of Virginia Woolf?

Unit IV

William Faulkner: The Sound and the Fury

Ernest Hemingway: The Old Man and the Sea

Unit V

Nathaniel Hawthorne: The Scarlet Letter

Mark Twain: The Adventures of Huckleberry Finn

William 6/1/20

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Shree Madhu 6.1.2020 *Shreeji 6.1.2020*
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Recommended Reading:

- Forster, Norman, et al, eds. American Poetry and Prose. 3 Vols. Boston: Houghton Mifflin Company, 1970.
- O'Connor, William Van, ed. Seven Modern American Novelists. Minneapolis: University of Minnesota Press, 1959.
- Sensational Designs: The Cultural Work of American Fiction, 1790-1860. New York: Oxford UP, 1985. 122-146.
- Baker, Carlos. Hemingway: The Writer as Artist. Princeton: 1952.
- Rovit, Earl. Ernest Hemingway. New York: Twayne, 1963
- Weeks, Robert.(ed.) Hemingway: A Collection of Critical Essays. Englewood Cliffs N. J.: Prentice Hall, Inc. 1962.
- Polk, Noel, ed. New Essays on The Sound and the Fury. New York: Cambridge UP, 1993.
- Folks, Jeffrey J. "Crowd and Self: William Faulkner's Sources of Agency in The Sound and the Fury." On the circumstances under which The Sound and the Fury was written. The Southern Literary Journal 3.2 (Spring 2002): 30-44.
- Kartiganer, Donald M. "The Sound and the Fury and Faulkner's Quest for Form." ELH 37.4 (Dec. 1970): 613-639.
- Bloom, Harold, ed. Arthur Miller. Philadelphia, PA: Chelsea House, 1987.
- Bigsby, Christopher, ed. Publisher's site for The Cambridge Companion to Arthur Miller. New York: Cambridge UP, 1997.
- Abbotson, Susan C.W. Student Companion to Arthur Miller. Connecticut: Greenwood Press, 2000.
- Deshmane, Chetan. Wallace Stevens: A Lacanian Reading. Jefferson, NC, and London: McFarland & Co., Inc., 2012.
- Doreski, William. "Wallace Stevens in Connecticut." Twentieth Century Literature 39.2 (Summer 1993): 152-65.
- Axelrod, Steven Gould. Sylvia Plath: The Wound and the Cure of Words. Baltimore: Johns Hopkins University Press, 1992.
- Deshmane, Chetan. "Sylvia Plath: Antigone of Our Times?" Plath Profiles 2 (August 2009): pp. 145-153
- Ashton, Jennifer. From Modernism to Postmodernism: American Poetry and Theory in the Twentieth Century. Cambridge, England: Cambridge UP, 2005.
- Williamson, Alan. Introspection and Contemporary Poetry. Cambridge, MA: Harvard University Press, 1984.

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MA English
Semester IV
Paper IV (A)
Linguistics - II

Maximum Marks 80

Unit I

Phonology: Definition, Distinctive Features of Sounds, Allophones, Classification of English Phonemes, Suprasegmental Features: Length, Stress, Pitch, Intonation, Juncture

Unit II

Morphology: Morpheme, Types of Morphemes, Allomorph, Morph, Word Formation

Unit III

Syntax: Constituents, Immediate Constituents, Models of I C Analysis.
Syntactic Devices: Word Classes, Function Words and Content Words, Government, Concord.

Unit IV

Introduction to Phrase Structure Grammar, Limitations to Phrase Structure Grammar

Unit V

Semantics: Semene, Types of Meaning: Synonymy, Antonymy, Polysemy, Homonymy, Collocation, Set.

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W. S. S.
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M. S. S.
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P. S. S.
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F. S. S.
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Recommended Reading:

Sinha, M.P., 2005, Modern Linguistics, Atlantic Publishers and Distributors. University.

Verma, S.K. and Krishnaswamy, N. 2009. Modern Linguistics. An Introduction. Oxford University Press. India.

Pyles, Thomas, and John Algeo. The Origins and Development of the English Language. New York: Harcourt Brace Jovanovich, 1993.

Cable, Thomas. 2002. A Companion to Baugh and Cable's History of the English language. 3d ed. London and New York: Routledge.

Smith, Jeremy 2005. Essentials of Early English. Old, Middle and Early Modern English. 2nd edition. London: Routledge.

Fennell, Barbara A. 2001. A History of English: A Sociolinguistic Approach. Oxford: Blackwell.

Parker, F. and Riley, K. 2005. Linguistics for Non-Linguists. A Primer with Exercises. Pearson. U.S.A.

Hughes, Geoffrey 2000. A history of English words. Oxford: Blackwell.

Yule, George. The Study of Language. Cambridge, UK: Cambridge University Press, 2006. Internet resource. Lyons, John, 1981, Language and Linguistics: An Introduction, Cambridge University Press.

McCully, Chris 2009. The Sound Structure of English. An Introduction. Cambridge: University Press.

Sweet, Henry 1877. Handbook of Phonetics. Oxford: Clarendon Press. ————. 1908. The Sounds of English. Oxford: Clarendon Press.

Balasubramanian, T. 2011. A Textbook of English Phonetics for Indian Students. MacMillan. India.

Bansal, R.K. and Harrison, J.B. 2009. Spoken English. Orient Black Swan Private Limited. India.

A Course in Phonetics and Spoken English by J. Sethi and P.V. Dhamija Prentice Hall of India.

A Practical Course in English Pronunciation by J. Sethi, Kamlesh Sadanand & D.V. Jindal Prentice-Hall of India Private Limited.

Crystal, D. 2003. The Cambridge Encyclopedia of Language. Second Edition. Cambridge University Press. Cambridge.

-----2008. A Dictionary of Linguistics and Phonetics. Sixth Edition. Blackwell Publishing Ltd. U.K.

Gimson, A.C. 1980. An Introduction to the Pronunciation of English. Third Edition. Edward Arnold. London.

Jones, D. 1976. An Outline of English Phonetics. Cambridge University Press. Cambridge.

-----1992. The Pronunciation of English. Universal Book Stall, New Delhi.

O'Connor, J. D. Better English Pronunciation. Cambridge: Cambridge University Press, 1967.

Quirk, R. and Greenbaum, S. A University Grammar of English. London: Longman, 1973.

Hockett, Charles F. 1958, A course in modern linguistics, New York: MacMillan.

Bloomfield, Leonard, 1914 An introduction to the study of language, Benjamins, Amsterdam.

-----, 1933 Language, London: Allen and Unwin.

Chomsky, Noam, 1957 Syntactic Structures, The Hague: Mouton.

Cahill, Lynne. Discovering Phonetics and Phonology. Macmillan Education UK, 2019

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6-1-2020

6/1/2020

**MA English
Semester IV
Paper IV (B)
English Language Teaching - II**

Maximum Marks 80

Unit I

Trends in Linguistic Theories, Beginning of Modern Linguistics, Language Varieties, Aspects of Language Study – Phonology, Grammar, Lexicology, Semantics, Discourses, Bloomfield and American Structuralism, Transformative Generative Grammar

Unit II

Teaching plan, Lesson Plan and English Teaching Methodology

Unit III

Teaching the Mechanics of Pronunciation, Vocabulary, Reading and Writing

Unit IV

Planning for a Language Laboratory, Language Laboratory System.

Unit V

Language Testing: Techniques to Test Production of Lexical Units, Diagnostic and Aptitude Testing

Madhu 6/1/20

AD 6/1/20

Free 6/1/2020

Indira 6/1/2020

Madhu 6.1.2020

Shineja 6.1.2020

Recommended Reading:

- Communicative Methodology in Language Teaching - C.J.Brumfit and Johnso(eds.)(Cambridge University Press,1984).
Language and Literature Teaching: From Practice to Principle - C.J.Brumfit and R.Carter.
Foreign and Second Language Learning - W.Littlewood (Cambridge University Press,1984).
E.S.P. – A Learning Centred Approach to English in India: Issues and Problems – T.Hutchinson and A. Waters.
Heaton, J. B. (1975). Writing English language tests. London: Longman.
Hughes, A. (2003). Testing for language teachers. Cambridge: Cambridge University Press.

Asdley 6/1/20

AP 6/1/20

Hu.
6/1/2020

Shree
6/1/2020

Madhu
6.1.2020

Prunejs
6.1.2020

M.A. English
Semester IV
Paper V (A)
New Literatures in English-II

Maximum marks 80

Unit I

Different Histories and Responses to the Landscape, Early Canadian and Australian Literature, Multiculturalism, Marginalisation, Introduction to African American Literature, Race, Class and Gender, Slave Narrative.

Unit II

Langston Hughes: Mother to Son; I, Too.

Nikki Giovanni : Quilt; Possum Crossing.

Unit III

George Ryga: The Ecstasy of Rita Joe

Unit IV

Edward Said: Orientalism (Chapter I)

Unit V

Toni Morrison: Beloved

Madhur
6/1/20

AP 6/1/20

Indyee
6/1/2020

Madhur
6.1.2020

Diwesh
6.1.2020

Diwesh
6/1/2020

Recommended Reading:

- W.E.B. Du Bois. The Souls of Black Folk. Hazelton, PA: The Electronic Class Series, 2006.
- J. Sanders Reddings : To Make a Poet Black. Chapel Wills, University of Cardina Press, 1939.
- Richard K. Barksdale. Langston Hughes: The Poet and His Critics. Chicago: American Library Association. 1977.
- Fowler, Virginia C. Nikki Giovanni. Twayne Publishers. 1992.
- Walker, Alice. In Search of Our Mother's Gardens: Womanist Prose. San Diego : Hartcourt, 1983.
- Blain, Virginia ; Clements, Patricia and Isobel Grundy. The Feminist Companion to Literature in English: Women Writers from the Middle Ages to the Present. New Haven: Yale University Press, 1990.
- James Hoffman. The Ecstasy of Resistance: A Biography of George Ryga. Toronto: ECW Press, 1995
- James Hoffman, ed. George Ryga: The Other Plays. Vancouver: Talonbooks, 2004
- Wolfe, Peter. Laden Choirs: The Fiction of Patrick White. Lexington: University Press of Kentucky, 1983.
- Gates, Henry Louis, Jr. The Classic Slave Narratives. New York: New American Library, 1987
- Gates, Henry Louis. The Signifying Monkey: A Theory of African-American Literary Criticism. Oxford: Oxford UP, 1988.
- Jacobs, Harriet A.. Incidents in the Life of a Slave Girl: Written by Herself. Cambridge, Mass.: Harvard University Press, 1987
- Levine, Lawrence. Black Culture and Black Consciousness, Oxford: OUP, 1977
- Hutcheon, Linda. The Canadian Postmodern: A Study of Contemporary English-Canadian Fiction. Don Mills, 1988.
- Kudchedkar, Shirin & Jameela Begum A. Canadian Voices. Delhi: Pencraft International, 1996.
- Stouck, David. Major Canadian Authors: A Critical Introduction to Canadian Literature in English. Lincoln, Nebraska, 1988.
- Margaret, Atwood. Survival: A Thematic Guide to Canadian Literature. Toronto: Anansi Press, 1982.
- Keith W. J., (1985). Canadian Literature in English, London: Longman.
- Toye Willam ed. (1983). The Oxford Companion to Canadian Literature Toronto, OUP, 1983.
- Anita Hiess and Peter Minter. ed. Anthology of Australian Aboriginal Literature ed. Montréal, Canada : McGill-Queen's University Press, c2008
- Birns, Nicholas and Rebecca McNeer. (eds.). A Companion to Australian Literature since 1900. New York: Camden House, 2007.
- Pierce, Peter. The Cambridge History of Australian Literature. Cambridge: Cambridge University Press, 2009.
- Sarangi, Jaydeep and Binod Mishra. (eds.). Explorations in Australian Literature. New Delhi: Sarup and Sons, 2006.
- Pierce, Peter. The Cambridge History of Australian Literature. Melbourne: Cambridge University Press, 2009

Wadhwa 6/1/20

JP 6/1/20

6/1/2020

6/1/2020

Madhu 6.1.2020

6.1.2020

M.A. English
Semester IV
Paper V (B)
Research Methodology and Computer Application- II

Maximum Marks 80

Unit-I: Steps in Research Process (A)

Choosing a topic
Formulating the Research Problem
Defining aims and objectives
Introduction to research methodology
Defining aims and objectives
Deciding the Scope and Limitations
Developing Hypothesis

Unit-II: Steps in Research Process (B)

Extensive Literature Review
Preparing research Proposal
Data Collection
Analysis/interpretation of Data
Generalization and Interpretation of Data
Preparing Chapter wise Design

Unit-III: Presentation of Research

Format of the Thesis
Language of the thesis
Logical Writing
Language and style of the thesis
Introductions and conclusions
Presentation of findings
Suggestions for future research
Writing a Short Research Paper

Unit-IV: Norms and Conventions

Language, Style, Ethics and Conventions of writing thesis
Quotations and Acknowledging the Sources
Footnotes and Endnotes, Citation
Arranging Bibliography
Guarding Against Plagiarism
Using Standard Style sheets

Unit-V: Computer and Internet Basics

MS-Power point: Working with basics for creating and delivering a power point presentation.
Introduction to Internet: Use of search engine
Communication on internet
Creating your e-mail address, Using e-mail facilities
Surfing the internet, downloading and printing literature using the internet.
Role of Computers and Internet in Research.

Reshmi
6/1/20
DD 6/1/20

Shree
6/1/2020

Shree
6/1/2020

Madhu
6.1.2020

Shree
6.1.2020

Recommended Reading

Anderson, Jonathan and Millicent Poole. *Assignment and Thesis Writing*. 4th ed. Wiley, 2016.

Hunt, Andy (2005), *Your Research Project*, New Delhi: Foundation Books

Abdul Rahim, F. (2005), *Thesis Writing: A Manual for Researchers* (New Delhi: New Age International)

MLA Handbook for Writers of Research Papers. 7th ed. MLA, 2009.

MLA Handbook. 8th ed. MLA, 2016.

Eliot, Simon and W. R. Owens (4th ed. 1998), *A Handbook to Literary Research*, London: Routledge & Open University

Miller, R. H. (1995), *Handbook of Literary Research*, Methuen

Lenburg, Jeff (2007), *Guide to Research*, Viva Books

Oakman, Robert L. (1984), *Computer Methods for Literary Research*, Athens: University of Georgia Press

Altick, R. D. (1963), *The Art of Literary Research*, New York: Norton

Harner, James L. (2002), *Literary Research Guide: An Annotated Listing of Reference Sources in English Literary Studies*, New York: MLA of America

Barker, Nancy and Nancy Hulg (2000), *A Research Guide for Under Graduate Students: English and American Literature*, New York: MLA of America

Gupta, R. K. (1971), *American Literature Fundamentals of Research*, ASRC Hyderabad

Mishra, D. S. (1989), *A Grammar of Literary Research*, New Delhi: Harman Publishing House

Chaskar, A (2009), *Doing Research in Literature and Language*, V.P. Pune

Wadhwa 6/1/20

Dr. Abha Pandey Pandey 6/1/2020

Dr. Kirti Yuvai 6/1/2020

Dr. Pratibha Mukherjee Sankar 6/1/2020

Ms. Madhu Kher - Madhu Kher 6.1.2020

Priyanka 6.1.2020

पं. रविशंकर शुक्ल विश्वविद्यालय

रायपुर (छत्तीसगढ़)

पाठ्यक्रम

एम. ए. पूर्व हिन्दी

CODE -111

एम. ए. अंतिम हिन्दी

CODE-112

परीक्षा 20²⁰–21²¹

सेमेस्टर परीक्षा प्रणाली

एवं

वार्षिक परीक्षा प्रणाली

*S.O.S.D. (Acad.)
Pt. Ravishankar Shukla University
RAIPUR (C.G.)*

20-24
सत्र 2019-20 एम.ए. हिन्दी अंक विभाजन सेमेस्टर प्रणाली

O.S.D. (Acad.)
Pt. Ravishankar Shukla University
Raipur (C.G.)
**प्रथम सेमेस्टर
अंक विभाजन**

प्रश्न पत्र	बाह्य परीक्षा	आंतरिक मूल्यांकन	कुल अंक
प्रथम : (आदिकाल एवं पूर्व मध्यकाल)	80	20	100
द्वितीय : प्राचीन एवं मध्यकालीन काव्य	80	20	100
तृतीय : छायावाद एवं पूर्ववर्ती काव्य	80	20	100
चतुर्थ : नाटक, एकांकी एवं रेखाचित्र	80	20	100
		कुल	400 अंक

**द्वितीय सेमेस्टर
अंक विभाजन**

प्रश्न पत्र	बाह्य परीक्षा	आंतरिक मूल्यांकन	कुल अंक
पंचम : (उत्तर मध्यकाल एवं आधुनिक काल)	80	20	100
षष्ठ : मध्यकालीन काव्य	80	20	100
सप्तम : प्रयोगवादी एवं प्रगतिवादी काव्य	80	20	100
अष्टम : उपन्यास, निबंध एवं कहानी	80	20	100
		कुल	400 अंक

**तृतीय सेमेस्टर
अंक विभाजन**

प्रश्न पत्र	बाह्य परीक्षा	आंतरिक मूल्यांकन	कुल अंक
प्रथम : साहित्य के सिद्धांत तथा अलोचना शास्त्र	80	20	100
द्वितीय: भाषा विज्ञान	80	20	100
तृतीय: कामकाजी हिन्दी एवं पत्रकारिता	80	20	100
चतुर्थ : भारतीय साहित्य	80	20	100
		कुल	400 अंक

**चतुर्थ सेमेस्टर
अंक विभाजन**

प्रश्न पत्र	बाह्य परीक्षा	आंतरिक मूल्यांकन	कुल अंक
पंचम : हिन्दी आलोचना तथा समीक्षा शास्त्र	80	20	100
षष्ठ : हिन्दी भाषा	80	20	100
सप्तम : मीडिया लेखन एवं अनुवाद	80	20	100
अष्टम : जनपदीय भाषा और साहित्य (छत्तीसगढ़ी)	80	20	100
		कुल	400 अंक

टीप:- प्रत्येक प्रश्न पत्र में 20 अंकों के आंतरिक मूल्यांकन के अंतर्गत दो आंतरिक मूल्यांकन का आयोजन अनिवार्य होगा एवं इसका मूल्यांकन विभाग के शिक्षकों के द्वारा किया जावेगा तथा प्राप्तांक विश्वविद्यालय को प्रेषित किया जावेगा ।

2020-21
एम.ए. - हिन्दी - 2019-20

प्रथम सेमेस्टर

प्रश्न पत्र - प्रथम

आदिकाल एवं पूर्व मध्यकाल

S.D. (Acad.)
Pt. Ravishankar Shukla University
RAIPUR (C.G.)

योग : 80

पाठ्य विषय:-

- इकाई-1 आदिकाल -इतिहास दर्शन और साहित्येतिहास
हिन्दी साहित्य के इतिहास लेखन की परम्परा, साहित्येतिहास के पुनर्लेखन की समस्याएँ ।
हिन्दी साहित्य के इतिहास का काल-विभाजन और नामकरण, नामकरण की समस्याएँ ।
- इकाई -2 हिन्दी साहित्य के आदिकाल की पृष्ठभूमि, वीरगाथाकाल तथा रासो काव्य, सिद्ध नाथ एवं जैन साहित्य, साहित्यिक प्रवृत्तियाँ, काव्य धाराएँ, प्रतिनिधि रचनाकार ।
- इकाई -3 पूर्व मध्यकाल (भक्ति काल),
सांस्कृतिक चेतना एवं भक्ति-आंदोलन, भक्ति काल की प्रमुख प्रवृत्तियाँ, काव्य-धाराएँ - निर्गुण, सगुण भक्ति धारा, संत काव्य सामान्य प्रवृत्तियाँ ।
- इकाई-4 सूफी प्रेमाख्यानक काव्य - प्रवृत्तियाँ, प्रेमाख्यानक परम्परा और हिन्दी में उसका विकास ।
रामभक्ति काव्य, कृष्ण भक्ति काव्य, सामान्य प्रवृत्तियाँ और दार्शनिक विचार धाराएँ, उपलब्धियाँ ।

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें :-

1. हिन्दी साहित्य का इतिहास (संशोधित - आचार्य रामचंद्र शुक्ल)
2. हिन्दी साहित्य का आदिकाल - हजारी प्रसाद द्विवेदी
3. हिन्दी साहित्य का इतिहास (नेशनल पब्लिशिंग हाऊस, दिल्ली) - डॉ. नगेन्द्र
4. आदिकालीन हिन्दी साहित्य (वाराणसी विश्वविद्यालय प्रकाशन) - डॉ. शम्भूनाथ पाण्डेय
5. आदिकालीन हिन्दी साहित्य सांस्कृतिक पीठिका (हिन्दी ग्रंथ अकादमी) - डॉ. राममूर्ति त्रिपाठी
6. हिन्दी साहित्य का इतिहास - डॉ. बच्चन सिंह

11/10
03/12/2019

डॉ. अनुसुईया अग्रवाल डी.लिट.

अध्यक्ष

हिन्दी अध्ययन मंडल

पं. रविशंकर शुक्ल विश्वविद्यालय

रायपुर (छत्तीसगढ़) 492 001

2020-21
एम.ए. (हिन्दी) - 2019-20

P. Ravindra Shukla University
RAIPUR (C.G.)

प्रथम सेमेस्टर
प्रश्न पत्र - द्वितीय
प्राचीन एवं मध्यकालीन काव्य

योग : 80

पाठ्य विषय:-

व्याख्या एवं विवेचन के लिए निम्नांकित तीन कवियों का अध्ययन अपेक्षित है ।

- इकाई 1. चंदबरदाई : पृथ्वीराज रासो, संपादक आचार्य हजारी प्रसाद द्विवेदी, डॉ. नामवर सिंह (शशिवृता विवाह खंड)
- इकाई 2. कबीर ग्रंथावली: संपादक डॉ. श्याम सुंदर दास (100 साखियाँ तथा 25 पद)
पद क्रमांक- 11, 16, 24, 26, 27, 40, 45, 49, 60, 64, 70, 72, 75, 79, 89, 93, 99, 100, 101, 103, 110, 111, 135, 268
साखियाँ- गुरुदेव कौ अंग 1 से 20, सुरिमण कौ अंग 1 से 10, विरह कौ अंग 1 से 10, ग्यान विरह कौ अंग 1 से 10, चितावणी कौ अंग 1 से 10, माया कौ अंग 1 से 5, परचा कौ अंग 1 से 10 ।
- इकाई 3. मलिक मोहम्मद जायसी : पद्मावत संपादक आ. रामचंद्र शुक्ल (नागमति विरह खण्ड एवं सिंहलद्वीप खण्ड)
- इकाई 4. द्रुत पाठ हेतु निम्नांकित 6 कवियों का एवं उनकी रचनाओं का अध्ययन अनिवार्य है, इन कवियों पर लघुत्तरी प्रश्न पूछे जायेंगे- अमीर खुसरो, विद्यापति, मीराबाई, रहीम, रैदास, रसखान ।

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें:-

1. डॉ. विपिन बिहारी द्विवेदी - चंदबरदाई
2. कबीर की विचारधारा - डॉ. गोविन्द त्रिगुणायन
3. प्रमुख प्राचीन कवि - डॉ. द्वारिका प्रसाद सक्सेना
4. कबीर साहित्य की परख - परशुराम चतुर्वेदी
5. जायसी की विशिष्ट शब्दावली - डॉ. इंदिरा कुमारी सिंह का विश्लेषणात्मक अध्ययन
6. मलिक मोहम्मद जायसी और उनका काव्य - डॉ. शिवसहाय पाठक
7. अमीर खुसरो और उनका साहित्य - डॉ. भोलानाथ तिवारी
8. कबीर - सं. हजारी प्रसाद द्विवेदी

08/12/19

डॉ. अनुसुईया अग्रवाल डी.लिद.
अध्यक्ष
हिन्दी अध्ययन मंडल
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

2020-21
एम.ए. (हिन्दी) 2019-20

FL. Ramesh Chandra University
Rampur (U.P.)

प्रथम सेमेस्टर
प्रश्न पत्र – तृतीय
छायावाद एवं पूर्ववर्ती काव्य

कुल : 80

पाठ्य विषय:- व्याख्या एवं विवेचन के लिए निम्नांकित तीन कवियों का अध्ययन अपेक्षित है ।

इकाई 1 मैथिलीशरण गुप्त – साकेत नवम् सर्ग

इकाई 2 जयशंकर प्रसाद – कामायनी (चिन्ता, श्रद्धा, इड़ा सर्ग)

इकाई 3. सूर्यकांत त्रिपाठी निराला – राम की शक्ति पूजा, सरोज स्मृति ।

इकाई 4. द्रुत पाठ हेतु निम्नांकित 6 कवियों का अध्ययन किया जाएगा ।

अयोध्या सिंह उपाध्याय- “हरिऔध”, हरिवंशराय बच्चन, मुकुटधर पांडेय,
जगन्नाथ दास रत्नाकर, सुमित्रानंदन पंत, महादेवी वर्मा

बाह्य परीक्षा – 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न – 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न – 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न – 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न – 20 अंक |

आंतरिक मूल्यांकन – 20 अंक

निर्धारित पुस्तकें:-

1. साकेत एक अध्ययन- डॉ. नगेन्द्र
2. कवि निराला – आचार्य नंद दुलारे वाजपेयी
3. निराला की साहित्य साधना – डॉ. रामविलास शर्मा
4. नया साहित्य नये साधना – आचार्य नंद दुलारे वाजपेयी
5. कामायनी एक पुनर्विचार – मुक्तिबोध
6. प्रसाद का काव्य – प्रेमशंकर
7. हिन्दी साहित्य आधुनिक परिदृश्य – अज्ञेय
8. हिन्दी साहित्य का इतिहास – नगेन्द्र
9. बच्चन की कविताओं का शैलीवैज्ञानिक अध्ययन – डॉ. शीला शर्मा

03/12/19

डॉ. अनुसुईया अग्रवाल डी.लिट.

अध्यक्ष

हिन्दी अध्ययन मंडल

पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

2020-21
एम.ए. - (हिन्दी) - 2019-20

O.S.D. (Acad.)
Pt. Ravishankar Shastri University
Jabalpur (C.G.)

प्रथम सेमेस्टर
प्रश्न पत्र - चतुर्थ
आधुनिक गद्य साहित्य
नाटक, एकांकी एवं रेखाचित्र (साहित्य)

पूर्णांक : 80

पाठ्य विषय :-

इकाई-1	नाटक	1	चन्द्रगुप्त	-	जयशंकर प्रसाद
		2	हानूश	-	भीष्म साहनी
इकाई-2	एकांकी	1	दीपदान	-	रामकुमार वर्मा
		2.	एक दिन	-	लक्ष्मीनारायण मिश्र
		3.	रीढ़ की हड्डी	-	जगदीश चन्द्र माथुर
		4.	तौलिए	-	उपेन्द्रनाथ अशक
		5.	मम्मी ठकुराइन	-	लक्ष्मीनारायण लाल

इकाई-3 रेखाचित्र (साहित्य)- अतीत के चलचित्र (महादेवी वर्मा)

बाह्य परीक्षा - 80 अंक

1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न - 20 प्रश्न - 20 अंक
2. अतिलघुउत्तरीय प्रश्न - 08 प्रश्न - 16 अंक
3. लघुउत्तरीय प्रश्न - 08 प्रश्न - 24 अंक
4. दीर्घउत्तरीय प्रश्न - 4-5 प्रश्न - 20 अंक

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें:-

1. हिन्दी नाटक उद्भव और विकास - डॉ. दशरथ ओझा
2. हिन्दी नाटक सिद्धांत और विवेचन - डॉ. गिरीश रस्तोगी
3. हिन्दी नाटक पुनर्मूल्यांकन - डॉ. सत्येन्द्र तनेजा
4. समसामयिक हिन्दी नाटकों में चरित्र सृष्टि - डॉ. जयदेव तनेजा
5. प्रसाद के नाटकों का शास्त्रीय अध्ययन - जगन्नाथ प्रसाद शर्मा
6. आधुनिक हिन्दी नाटक - नगेन्द्र
7. नाटक रंगमंच और मोहन राकेश - डॉ. सुरेन्द्र यादव
8. प्रसाद युगीन हिन्दी नाटक - डॉ. भगवती प्रसाद शुक्ल
9. प्रसाद के नाटक एवं नाट्य शिल्प - डॉ. शांति स्वरूप गुप्त
10. नाटककार मोहन राकेश - डॉ. सुन्दर लाल कथूरिया
11. हिन्दी एकांकी : उद्भव और विकास - रामचरण महेन्द्र
12. हिन्दी रंगमंच : दशा और दिशा - जयदेव तनेजा
13. भीष्म साहनी के उपन्यास और नाटक - डॉ. राकेश कुमार तिवारी

2020-21
एम.ए. (हिन्दी) - 2019-20

द्वितीय सेमेस्टर

प्रश्न पत्र - पंचम

(उत्तर मध्यकाल से आधुनिक काल तक)

Dr. P. (Acad.)
PL. Ramakrishna University
RAIPUR (C.G.)

समय 3 घंटे

पूर्णांक : 80

पाठ्य विषय:-

इकाई 1- उत्तर मध्यकाल (रीतिकाल)

काल सीमा, नामकरण, प्रवृत्तियों, रीतिकालीन साहित्य की विभिन्न धारायें (रीतिबद्ध, रीतिसिद्ध, रीतिमुक्त) प्रवृत्तियाँ एवं विशेषताएँ । रीतिकाल के प्रतिनिधि रचनाकार एवं रचनाएँ ।

इकाई 2 आधुनिक काल - आधुनिक काल की सामाजिक, राजनैतिक, आर्थिक एवं सांस्कृतिक पृष्ठभूमि । सन् 1857 की राज्य क्रांति एवं पुनर्जागरण, भारतेन्दु युग- प्रमुख साहित्यकार, साहित्य एवं साहित्यिक विशेषताएँ ।

इकाई 3 द्विवेदी युग - प्रमुख साहित्यकार एवं साहित्यिक विशेषताएँ, छायावाद- नामकरण और प्रवृत्तियाँ, प्रमुख साहित्यकार, साहित्यिक विशेषताएँ । छायावादोत्तर काल (विभिन्न प्रवृत्तियाँ) प्रगतिवाद, नई कविता, नवगीतवाद तथा समकालीन कविता, स्वच्छन्दतावाद सामान्य परिचय ।

इकाई 4 हिन्दी गद्य का विकास -

आधुनिक काल, गद्य साहित्य के विभिन्न रूपों का उद्भव और विकास, उपन्यास व कहानी का विकास और सामान्य प्रवृत्तियाँ, निबंध का विकास और प्रवृत्तियाँ, नाटक का उद्भव और विकास- सामान्य प्रवृत्तियाँ, गीति- नाटकों का परिचयात्मक विवेचन ।

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें :-

1. आधुनिक साहित्य की प्रवृत्तियाँ - डॉ. नामवर सिंह
2. हिन्दी साहित्य बीसवीं शताब्दी - नन्ददुलारे वाजपेयी
3. आधुनिक हिन्दी साहित्य का इतिहास - कृष्ण शंकर शुक्ल
4. गद्य की विविध विधाएँ - डॉ. बापूराव देसाई
5. हिन्दी कहानी - उद्भव और विकास - डॉ. सुरेश सिन्हा
6. हिन्दी उपन्यास की प्रवृत्तियाँ - डॉ. शशि भूषण सिंह
7. हिन्दी नाटक उद्भव और विकास - डॉ. दशरथ ओझा
8. हिन्दी साहित्य का इतिहास - आचार्य रामचन्द्र शुक्ल
9. हिन्दी साहित्य का उद्भव और विकास - आचार्य हजारी प्रसाद द्विवेदी
10. हिन्दी साहित्य की भूमिका - आचार्य हजारी प्रसाद द्विवेदी

AAK
03/12/19

2020-21
एम.ए. (हिन्दी) - 2019-20

द्वितीय सेमेस्टर

प्रश्न पत्र - षष्ठ

मध्यकालीन काव्य

U.P. State University
Pt. Rameshwar Shukla University
RAIPUR (C.G.)

समय 3 घंटे

पूर्णांक : 80

पाठ्य विषय:- व्याख्या एवं विवेचन के लिए निम्नांकित तीन कवियों का अध्ययन किया जाएगा

इकाई-1 सूरदास - भ्रमरगीत सार - संपादक आचार्य रामचंद्र शुक्ल (50 पद)

पद संख्या - 1 से 10, 21 से 30, 51 से 60, 61 से 70, 81 से 90 तक (50 पद)

इकाई-2 तुलसीदास - रामचरित मानस (सुंदरकाण्ड) गीताप्रेस गोरखपुर

इकाई-3 बिहारी - बिहारी रत्नाकर, संपादक जगन्नाथ दास रत्नाकर (प्रारंभिक 100 दोहे)

इकाई-4 द्रुत पाठ हेतु निम्नांकित 6 कवियों एवं उनकी रचनाओं का (विषय एवं शिल्पगत) ज्ञान अपेक्षित है ।

केशव, भूषण, पदमाकर, देव, घनानंद, कुम्भन दास

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें :-

1. बिहारी- डॉ. विश्वनाथ प्रसाद मिश्र
2. तुलसीदास और उनका युग संदर्भ - डॉ. भगीरथ मिश्र
3. सूरदास के काव्य का मूल्यांकन - डॉ. रामरतन भटनागर
4. तुलसी साहित्य के नये संदर्भ - डॉ. एल.एन.दुबे
5. सूरदास - डॉ. हरबंस लाल वर्मा
6. तुलसीदास - प्रो. सतीश कुमार अशोक प्रकाशन नई दिल्ली
7. सूरदास - मैनेजर पाण्डेय

AAqb
03/12/19
डॉ. अनुसुईया अग्रवाल डी.लिट्.
अध्यक्ष
हिन्दी अध्ययन मंडल
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

2020-21
एम.ए. - (हिन्दी) 2019-20
द्वितीय सेमेस्टर
प्रश्न पत्र - सप्तम
(प्रयोगवादी एवं प्रगतिवादी काव्य)

O.S.D. (Acad.)
P.L. Parikh & Shikha University
RAIPUR (C.G.)

कुल अंक : 80

पाठ्य विषय-

- इकाई-1 स.ही.वात्स्यायन अज्ञेय- नदी के द्वीप, असाध्यवीणा, बावरा अहेरी, कलगी बाजरे की, यह दीप अकेला, सोन मछली
- इकाई-2 गजानन माधव मुक्तिबोध - कविता - अंधेरे में ।
- इकाई-3 नागार्जुन - बसन्त की अगवानी, कोई आए तुमसे सीखे, शिशिर विष कन्या, तो फिर क्या हुआ, उषा की लाली, गुलाबी चुड़ियाँ, शासन की बंदूक, सिन्दूर तिलकित भाल, अकाल और उसके बाद, बादल को घिरते देखा ।
- इकाई-4 द्रुत पाठ हेतु निम्नांकित 5 कवियों का अध्ययन किया जायेगा ।
केदारनाथ अग्रवाल, त्रिलोचन शास्त्री, भवानी प्रसाद मिश्र, विनोद कुमार शुक्ल, घूमिल

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें :-

1. मुक्तिबोध की काव्य प्रक्रिया - अशोक चक्रधर
2. अज्ञेय का रचना संसार - डॉ. रामस्वरूप चतुर्वेदी
3. कविता की तीसरी आंख - डॉ. प्रभाकर श्रोत्रिय
4. कविता से साक्षात्कार - मलयज
5. हिन्दी साहित्य का इतिहास - डॉ. रामचन्द्र शुक्ल
6. कविता की संगत - विजय कुमार
7. कविता का अर्थात् - परमानंद श्रीवास्तव
8. नागार्जुन का रचना संसार - विजय बहादुर सिंह
9. छायावादोत्तर काव्यों की विभिन्न प्रवृत्तियों एवं उनका चैन्तनिक पक्ष - डॉ. ज्योति पाण्डेय

AA-6
03/12/19
डॉ. अनुसुईया अग्रवाल डी.लिट.
अध्यक्ष
हिन्दी अध्ययन मंडल
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

2020-21

एम.ए. - (हिन्दी) - 2019-20

द्वितीय सेमेस्टर

प्रश्न पत्र - अष्टम

आधुनिक गद्य साहित्य

(उपन्यास, निबंध एवं कहानी)

C.S.D. (Acad.)
Pt. Ravishankar Shukla University
RAIPUR (C.O.)

पाठ्य विषय:-

पूर्णांक : 80

इकाई-1	उपन्यास-	1 गोदान	-	प्रेमचंद
		2 बाणभट्ट की आत्मकथा	-	हजारी प्रसाद द्विवेदी
इकाई-2	निबंध -	1 चढ़ती उमर	-	बालकृष्ण भट्ट
		2 कविता क्या है?	-	रामचंद्र शुक्ल
		3 गेहूँ बनाम गुलाब	-	रामवृक्ष बेनीपुरी
		4 तुम चन्दन हम पानी	-	विद्यानिवास मिश्र
		5 वैष्णव की फिसलन	-	हरिशंकर परसाई
इकाई-3	कहानी -	1 उसने कहा था	-	चन्द्रधर शर्मा गुलेरी
		2 पुरस्कार	-	जयशंकर प्रसाद
		3. ईदगाह	-	प्रेमचंद
		4. चीफ की दावत	-	भीष्म साहनी
		5. बादलों के घरे	-	कृष्णा सोवती

बाह्य परीक्षा - 80 अंक

1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न - 20 प्रश्न - 20 अंक
2. अतिलघुउत्तरीय प्रश्न - 08 प्रश्न - 16 अंक
3. लघुउत्तरीय प्रश्न - 08 प्रश्न - 24 अंक
4. दीर्घउत्तरीय प्रश्न - 4-5 प्रश्न - 20 अंक

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें:-

1. प्रेमचंद और उनका युग - रामविलास शर्मा
2. गोदान के अध्ययन की समस्याएं - डॉ. गोपाल राय
3. कथाकार फणीश्वरनाथ रेणु - चंद्रभाव सोनवठी
4. हिन्दी उपन्यास की शिल्पविधि का विकास - सिद्धनाथ तनेजा
5. हिन्दी उपन्यास उद्भव और विकास - सुरेश सिन्हा
6. प्रेमचंद : एक अध्ययन - राजेश्वर गुरु
7. महादेवी प्रतिनिधि गद्य रचनाएं - सं. रामजी पाण्डेय
8. हिन्दी निबंध के आधार स्तम्भ - डॉ. हरिमोहन
9. हिन्दी कहानी : उद्भव और विकास - सुरेश सिन्हा
10. कहानी : स्वरूप और संवेदना - राजेन्द्र यादव
11. कहानी : नयी कहानी - नामवर सिंह
12. हजारी प्रसाद द्विवेदी - सं. विश्वनाथ तिवारी
13. प्रेमचंद का जीवनदर्शन एवं रंगभूमि - डॉ. शंकर बुन्देले

2020-21
एम.ए. - (हिन्दी) 2019-20

C.S.P. (Head)
Pt. Ramesh Chandra University
RAIPUR (C.S.)

तृतीय सेमेस्टर

प्रश्न पत्र - प्रथम

साहित्य के सिद्धांत तथा आलोचना शास्त्र

पूर्णांक : 80

पाठ्य विषय:-

इकाई-1 भारतीय काव्य शास्त्र

- काव्य लक्षण, काव्य हेतु, काव्य प्रयोजन और काव्य के प्रकार
- रस सिद्धांत, रस का स्वरूप, रस निष्पत्ति और साधारणीकरण, रस के अंग ।

इकाई-2 अलंकार सिद्धांत, रीति सिद्धांत, वक्रोक्ति सिद्धांत, ध्वनि सिद्धांत और औचित्य सिद्धांत

इकाई-3 पाश्चात्य काव्य शास्त्र
प्लेटो - काव्य सिद्धांत

अरस्तु- अनुकरण का सिद्धांत, विरेचन सिद्धांत, लौजाइनस-उदात्त की अवधारणा

इकाई 4 मैथ्यू आर्नल्ड- कला की अवधारणा
टी.एस. इलियट - कला की निर्वैयक्तिकता, कॉलरिज-कल्पना सिद्धांत,
स्वच्छदतावाद - अभिजात्यवाद

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

1. डॉ. गणपति चन्द्रगुप्त - भारतीय एवं पाश्चात्य काव्य सिद्धांत
2. डॉ. भगीरथ मिश्र - पाश्चात्य काव्य शास्त्र, इतिहास, सिद्धांत एवं वाद
3. डॉ. राममूर्ति त्रिपाठी- भारतीय काव्य शास्त्र के नये क्षितिज
4. डॉ. शिवकुमार मिश्र- मार्क्सवादी साहित्य के सिद्धांत
5. डॉ. नगेन्द्र - भारतीय काव्य शास्त्र की भूमिका
6. डॉ. निर्मला जैन - पाश्चात्य साहित्य चिंतन
7. मुलजी भाई- भारतीय और पाश्चात्य काव्य शास्त्र
8. डॉ. गंगा प्रसाद विमल - आधुनिकता, साहित्य के संदर्भ में ।

AAdb

03/12/19

डॉ. अनुसुईया अग्रवाल डी.लिद.

अध्यक्ष

हिन्दी अध्ययन मंडल

पे. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

2020-21

एम.ए. - (हिन्दी) 2019-20

O.S.D. (Acad.)
Pt. Ravishankar Shukla University
RAIPUR (O.S.)

**तृतीय सेमेस्टर
प्रश्न पत्र - द्वितीय
(भाषा विज्ञान)**

पूर्णांक : 80

पाठ्य विषय:-

- इकाई-1 भाषा और भाषा विज्ञान, भाषा की परिभाषा और अभिलक्षण, भाषा व्यवस्था और भाषा व्यवहार, भाषा संरचना, भाषा विज्ञान स्वरूप एवं व्याप्ति, अध्ययन की दिशाएँ-वर्णनात्मक, ऐतिहासिक और तुलनात्मक ।
- इकाई-2 स्वन प्रक्रिया : स्वन विज्ञान का स्वरूप और शाखाएँ, वागवयव और उनके कार्य, स्वन की अवधारणा और स्वनों का वर्गीकरण, स्वन गुण, स्वनिक परिवर्तन । स्वनिम विज्ञान का स्वरूप, स्वनिम की अवधारणा, स्वनिम के भेद ।
- इकाई 3 व्याकरण : रूप विज्ञान का स्वरूप और शाखाएँ, रूपिम की अवधारणा और भेद, मुक्त - आबद्ध अर्थदर्शी और संबंधदर्शी रूपिम और शाखाएँ, रूपिम के भेद और प्रकार्य । वाक्य के भेद, वाक्य-विश्लेषण, निकटस्थ अवयव विश्लेषण ।
- इकाई 4 अर्थ विज्ञान : अर्थ की अवधारणा, शब्द और अर्थ का संबंध, अर्थ परिवर्तन, पर्यायवाची, अनेकार्थी, समानार्थी एवं विलोमार्थी शब्द ।

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें:-

1. सामान्य भाषा विज्ञान- डॉ. बाबूराम सक्सेना
2. भाषा विज्ञान - डॉ. भोलानाथ तिवारी
3. भारत के भाषा परिवार - डॉ. रामनिवास शर्मा
4. भाषाशास्त्र की रूपरेखा - उदयनारायण तिवारी
5. हिन्दी शब्दानुशासन - किशोरी दास बाजपेयी
6. भाषा विज्ञान और भाषा शास्त्र - कपिलदेव द्विवेदी
7. सामान्य भाषाविज्ञान - बाबूराम सक्सेना
8. हिन्दी और उसका संक्षिप्त इतिहास - भोलानाथ तिवारी
9. हिन्दी और उसकी विविध बोलियाँ - प्रो. दीपचंद जैन
10. भाषा विज्ञान के सिद्धांत और हिन्दी भाषा - द्वारिका प्रसाद मिश्र

AA/b
08/12/19

12

डॉ. अनुसुईया अग्रवाल डी.लिद्.

अध्यक्ष

हिन्दी अध्ययन मंडल

पं. रविशंकर शुक्ल विश्वविद्यालय

रायपुर (छत्तीसगढ़) 492 001

2020-21
एम.ए. - (हिन्दी) 2019-20
तृतीय सेमेस्टर
प्रश्न पत्र - तृतीय
(कामकाजी हिन्दी एवं पत्रकारिता)

पाठ्य विषय:-

पूर्णांक : 80

- इकाई-1 हिन्दी के विभिन्न रूप - सर्जनात्मक भाषा, संचार भाषा, राजभाषा, माध्यम भाषा, कार्यालयीन हिन्दी (राजभाषा) के प्रमुख प्रकार्य- प्रारूपण, पत्र लेखन, संक्षेपण, पल्लवन, टिप्पणी ।
- इकाई-2 पारिभाषिक शब्दावली, स्वरूप एवं महत्व, पारिभाषिक शब्दावली निर्माण के सिद्धांत, ज्ञान-विज्ञान के विभिन्न क्षेत्रों की पारिभाषिक शब्दावली । हिन्दी कम्प्यूटर- कम्प्यूटर परिचय, उपयोगिता क्षेत्र, वेब पेज पब्लिशिंग परिचय ।
- इकाई-3 इंटरनेट संपर्क उपकरणों का परिचय, प्रकार्यात्मक रख-रखाव एवं इंटरनेट समय मितव्ययता के सूत्र । इंटरनेट एक्सप्लोइट अथवा नेट स्केप । हिन्दी साफ्टवेयर पैकेज ।
- इकाई-4 पत्रकारिता का स्वरूप एवं प्रकार, हिन्दी पत्रकारिता का संक्षिप्त इतिहास । समाचार लेखन कला, संपादन के आधारभूत तत्व, व्यवहारिक प्रूफशोधन, शीर्षक संरचना, लीड, इंट्रो एवं शीर्षक, संपादकीय लेखन, पृष्ठ सज्जा, साक्षात्कार, पत्रकारवार्ता एवं प्रेस प्रबंधन, प्रमुख प्रेस कानून एवं आचार संहिता ।

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें:-

- | | |
|--|--|
| 1. प्रयोजन परक हिन्दी | - प्रो. सूर्यप्रसाद दीक्षित |
| 2. प्रशासनिक हिन्दी | - पुष्पा कुमारी, क्लासिक पब्लिक कम्पनी |
| 3. पत्रकारिता के छह दशक | - जगदीश प्रसाद चतुर्वेदी |
| 4. हिन्दी पत्रकारिता का प्रतिनिधि संकलन | - तरुशिखा सुरजन, राजकमल प्रकाशन, नई दिल्ली |
| 5. हिन्दी पत्रकारिता | - कृष्ण बिहारी मिश्र |
| 6. भारतीय समाचार पत्रों का संगठन एवं प्रबंधन | - डॉ. सुकुमार जैन |
| 7. पत्रकारिता का इतिहास एवं जनसंचार माध्यम | - डॉ. संजीव भनावत |
| 8. कम्प्यूटर के भाषिक अनुप्रयोग | - विजय मल्होत्रा |
| 9. कम्प्यूटर एप्लीकेशन | - गौरव अग्रवाल |

2020-21
एम.ए. - (हिन्दी साहित्य) - 2019-20

तृतीय सेमेस्टर
प्रश्न पत्र - चतुर्थ
भारतीय साहित्य

(Annex)
P. Ramakrishna University
Bapatla (A.P.)

पूर्णांक : 80

पाठ्य विषय :-

इकाई-1 भारतीय साहित्य का स्वरूप, भारतीय साहित्य के अध्ययन की समस्याएँ, भारतीय साहित्य में आज के भारत का बिम्ब, हिन्दी साहित्य में भारतीय मूल्यों की अभिव्यक्ति ।

इकाई -2 हिन्दीतर साहित्य का इतिहास जो तीन वर्गों में विभक्त है -

1. दक्षिणात्य भाषा वर्ग से मलयालम
2. पूर्वांचल भाषा वर्ग में बँगला
3. पश्चिमोत्तर भाषा वर्ग में मराठी

प्रत्येक विद्यार्थी इन तीनों विकल्पों में से एक भाषा चयन करेंगे बशर्ते वह भाषा अपनी क्षेत्रीय भाषा से भिन्न भाषा वाले वर्ग से संबंधित हो।

विद्यार्थी एक भाषा वर्ग (मलयालम, बंगला, मराठी) में से किसी एक के इतिहास का अध्ययन करेंगे।

इकाई -3 हिन्दी भाषा साहित्य एवं बंगला भाषा साहित्य का तुलनात्मक अध्ययन ।

इकाई- 4 उपन्यास- अग्निगर्भ (बंगला- महाश्वेता देवी)
नाटक - हयवदन (कन्नड़-गिरीश कर्नाड)
कविता संग्रह- कोच्चि के दरख्त (मलयालम- के.जी. शंकर पिल्लै)

बाह्य परीक्षा - 80 अंक

1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न - 20 प्रश्न - 20 अंक
2. अतिलघुउत्तरीय प्रश्न - 08 प्रश्न - 16 अंक
3. लघुउत्तरीय प्रश्न - 08 प्रश्न - 24 अंक
4. दीर्घउत्तरीय प्रश्न - 4-5 प्रश्न - 20 अंक

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें :-

1. मलयालम साहित्य - परख और पहचान - प्रो. आर. सुरेन्द्रन ।
2. राष्ट्रीय चेतना और मलयालम साहित्य - प्रो. आर. सुरेन्द्रन ।
3. मराठी भाषा और साहित्य - राजमल वोरा
4. मलयालम साहित्यकारों से साक्षात्कार - प्रो. आर. सुरेन्द्रन ।
5. बंगला भाषा और साहित्य का इतिहास - भारतीय भाषा संस्थान, इलाहाबाद
6. भारतीय साहित्य - डॉ. नगेन्द्र
7. भारतीय साहित्य रत्नमाला - सं.कृष्णदयाल भार्गव
8. भारतीय साहित्य के इतिहास की समस्याएँ - डॉ. रामविलास शर्मा
9. भारतीय भाषाओं के साहित्य का इतिहास - केन्द्रीय हिन्दी निर्देशालय, दिल्ली ।
10. भारतीय साहित्य : अवधारणा, समन्वय एवं सादृश्यता- जगदीश गुप्त

2020-21
एम.ए. - (हिन्दी) 2019-20
चतुर्थ सेमेस्टर
प्रश्न पत्र - पंचम
(हिन्दी आलोचना तथा समीक्षा शास्त्र)

Q.S.D. (Acad.)
Pt. Ravishankar Shukla University
RAIPUR (C.G.)

पूर्णांक : 80

पाठ्य विषय:-

- इकाई 1 मनोविश्लेषण वाद, अस्तित्ववाद, अभिजात्यवाद, मार्क्सवाद, आधुनिक समीक्षा की विशिष्ट प्रवृत्तियों, संरचनावाद, शैलीविज्ञान, उत्तर आधुनिकता
- इकाई 2 हिन्दी कवि आचार्यों का काव्य शास्त्रीय चिंतन- लक्षण काव्य परम्परा - आचार्य रामचन्द्र शुक्ल, आचार्य हजारी प्रसाद द्विवेदी, आचार्य नंददुलारे वाजपेयी, डॉ. रामविलास शर्मा
- इकाई 3 आधुनिक हिन्दी आलोचना की प्रमुख प्रवृत्तियों- शास्त्रीय, ऐतिहासिक, मनोविश्लेषणवादी, सौंदर्य शास्त्रीय, शैली वैज्ञानिक
- इकाई 4 व्यवहारिक समीक्षा : काव्यांश की स्वविवेक के अनुसार व्याख्या

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें :-

1. डॉ. गोविंद त्रिगुणायत - शास्त्रीय समीक्षा के सिद्धांत भाग 1 एवं 2
2. डॉ. भगवत स्वरूप मिश्र - हिन्दी आलोचना : उद्भव और विकास
3. डॉ. रामेश्वर खण्डेलवाल - हिन्दी आलोचना के आधार स्तम्भ
4. डॉ. शिवकरण सिंह - आलोचना के बदलते मानदण्ड और हिन्दी साहित्य
5. डॉ. नंदकिशोर नवल - हिन्दी आलोचना का विकास
6. योगेन्द्र शाही - अस्तित्ववाद किर्कगार्ड से कामू तक
7. रणधीर सिन्हा - आलोचनात्मक रामविलास शर्मा

AA26
09/12/19
डॉ. अनुसुईया अग्रवाल डी.लिट.
अध्यक्ष
हिन्दी अध्ययन मंडल
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

2020-21
एम.ए. - (हिन्दी) 2019-20
चतुर्थ सेमेस्टर
प्रश्न पत्र - षष्ठ
(हिन्दी भाषा)

O.S.D. (Acad.)
P.L. Ramcharan Shukla University
RAIPUR (C.G.)

पूर्णांक : 80

पाठ्य विषय:-

- इकाई-1 हिन्दी की ऐतिहासिक पृष्ठभूमि : प्राचीन भारतीय आर्य भाषाएँ -
वैदिक तथा लौकिक संस्कृत और उनकी विशेषताएँ । मध्यकालीन भारतीय
आर्यभाषाएँ - पालि, प्राकृत, शौरसेनी, अर्धमागधी, मागधी, अपभ्रंश और
उनकी विशेषताएँ । आधुनिक भारतीय भाषाएँ और उनका वर्गीकरण ।
- इकाई-2 हिन्दी का भौगोलिक विस्तार - हिन्दी की उपभाषाएँ, पश्चिमी हिन्दी, पूर्वी
हिन्दी, राजस्थानी, बिहारी तथा पहाड़ी और उनकी बोलियाँ । खड़ी बोली,
ब्रज और अवधी की विशेषताएँ ।
- इकाई-3 हिन्दी के विविध रूप- संपर्क भाषा, राष्ट्रभाषा, राजभाषा के रूप में हिन्दी,
माध्यम भाषा, संचार भाषा, हिन्दी की संवैधानिक स्थिति ।
- इकाई-4 हिन्दी में कम्प्यूटर सुविधाएँ - आंकड़ा संसाधन और शब्द संसाधन, वर्तनी
शोधक, मशीनी अनुवाद, हिन्दी भाषा शिक्षण । देवनागरी लिपि : विशेषताएँ
और मानकीकरण ।

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें:-

1. हिन्दी भाषा का संक्षिप्त इतिहास - भोलानाथ तिवारी
2. हिन्दी और उसकी विविध बोलियाँ - प्रो. दीपचंद जैन
3. भाषा भूगोल - कैलाशचंद भट्टिया हिन्दी समिति उ.प्र. शासन लखनऊ
4. हिन्दी भाषा की रूप संरचना - भोलानाथ तिवारी
5. राष्ट्रभाषा हिन्दी समस्याएँ और समाधान - देवेन्द्रनाथ शर्मा
6. नागरी लिपि और हिन्दी - अनंत चौधरी
7. सामान्य भाषा विज्ञान - डॉ. बाबूराम सक्सेना
8. भाषा विज्ञान - डॉ. भोलानाथ तिवारी

AAab
03/12/19
डॉ. अनुसुईया अग्रवाल डी.लिट.

अध्यक्ष

हिन्दी अध्ययन मंडल

पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) - 492 001

2020-21

एम.ए. - (हिन्दी) 2019-20

चतुर्थ सेमेस्टर

प्रश्न पत्र - सप्तम

(मीडिया-लेखन एवं अनुवाद)

O.S.D. (Acad.)
Pt. Ravishankar Shukla University
RAIPUR (C.G.)

पूर्णांक : 80

पाठ्य विषय:-

इकाई-1 मीडिया लेखन

जनसंचार : प्रौद्योगिक एवं चुनौतियाँ, विभिन्न जनसंचार-माध्यमों का स्वरूप-मुद्रण, श्रवण, दृश्य-श्रव्य, इंटरनेट, श्रवण-माध्यम (रेडियो), मौखिक भाषा की प्रकृति । समाचार लेखन एवं वाचन, रेडियो नाटक, उद्घोषणा लेखन, विज्ञापन-लेखन, फीचर तथा रिपोर्टाज ।

इकाई-2 दृश्य-श्रव्य माध्यम (फिल्म, टेलीविजन एवं रेडियो), दृश्य-माध्यमों में भाषा की प्रकृति, दृश्य एवं श्रव्य सामग्री का सामंजस्य, पार्श्व वाचन (वॉयस ओवर) पटकथा-लेखन, टेली-ड्रामा, संवाद-लेखन, साहित्य की विधाओं का दृश्य माध्यमों में रूपान्तरण, विज्ञापन की भाषा ।

इकाई-3 अनुवाद - सिद्धांत एवं व्यवहार

अनुवाद का स्वरूप, क्षेत्र, प्रक्रिया एवं प्रविधि । हिन्दी की प्रयोजनीयता में अनुवाद की भूमिका । कार्यालयीन हिन्दी और अनुवाद, जनसंचार माध्यमों का अनुवाद, विज्ञापन में अनुवाद, वैचारिक साहित्य का अनुवाद, वाणिज्यिक अनुवाद, वैज्ञानिक तकनीकी तथा प्रौद्योगिकी क्षेत्रों में अनुवाद, विधि साहित्य की हिन्दी और अनुवाद ।

इकाई-4 व्यावहारिक अनुवाद अभ्यास, कार्यालयीन अनुवाद, कार्यालयीन एवं प्रशासनिक शब्दावली, प्रशासनिक प्रयुक्तियाँ, पदनाम, विभाग, आदि पत्रों के अनुवाद, पदनामों-अनुभागों-दस्तावेजों-प्रतिवेदनों के अनुवाद, साहित्यिक अनुवाद के सिद्धांत एवं व्यवहार-कविता, कहानी, नाटक, सारानुवाद, दुभाषिया-प्रविधि ।

बाह्य परीक्षा - 80 अंक

- | | |
|--------------------------------------|-----------------------|
| 1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न | - 20 प्रश्न - 20 अंक |
| 2. अतिलघुउत्तरीय प्रश्न | - 08 प्रश्न - 16 अंक |
| 3. लघुउत्तरीय प्रश्न | - 08 प्रश्न - 24 अंक |
| 4. दीर्घउत्तरीय प्रश्न | - 4-5 प्रश्न - 20 अंक |

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें:-

1. जनसंचार माध्यमों में हिन्दी - डॉ. चन्द्रकुमार (क्लासिकल पब्लिक कंपनी)
2. जनमाध्यम एवं पत्रकारिता - प्रवीण दीक्षित (सहयोगी साहित्य संस्थान)
3. पत्रकारिता का इतिहास एवं जनसंचार माध्यम- डॉ. संजीव भागवन्त (उ.प्र. जयपुर)
4. पत्रकारिता के विविध आयाम - वेदप्रताप वैदिक
5. दूरदर्शन : हिन्दी के प्रयोनमूलक विविध प्रयोग : डॉ. कृष्णकुमार रत्नू (मीनाक्षी प्रकाशन, जयपुर)
6. जनमाध्यम एवं पत्रकारिता - प्रवीण दीक्षित (सहयोगी साहित्य संस्थान)
7. अनुवाद के सिद्धांत - सुरेश कुमार
8. अनुवाद सिद्धांत की रूपरेखा - सुरेश कुमार
9. अनुवाद - बोध - डॉ. गार्गी गुप्त (भारतीय अनुवाद परिषद् दिल्ली)

03/12/19

2020-21
एम.ए. - (हिन्दी) - 2019-20

चतुर्थ सेमेस्टर

प्रश्न पत्र - अष्टम

जनपदीय भाषा और साहित्य (छत्तीसगढ़ी)

पूर्णांक : 80

पाठ्य विषय :-

- इकाई-1 छत्तीसगढ़ी भाषा-भौगोलिक सीमा, नामकरण, भाषिक स्वरूप एवं व्याकरणिक विशेषताएँ ।
- इकाई-2 छत्तीसगढ़ी साहित्य की युग प्रवृत्तियाँ एवं इतिहास ।
- इकाई-3 छत्तीसगढ़ी कविता एवं कवि -
(1) सुंदरलाल शर्मा (2) मुकुटधर पाण्डेय
(3) हरि ठाकुर (4) डॉ. नरेन्द्र देव वर्मा
- इकाई-4 छत्तीसगढ़ी नाटक एवं उपन्यास
1. करमछड़हा (नाटक) - डॉ. खूबचंद बघेल
2. आवा (उपन्यास) - परदेशीराम वर्मा
- इकाई-5 द्रुतपाठ हेतु निम्नलिखित रचनाकार का अध्ययन (पांच लघुत्तरीय प्रश्न पूछे जायेंगे)
(1) लखन लाल गुप्त (2) लक्ष्मण मस्तुरिहा (3) केयूर भूषण
(4) मुकुन्द कौशल (5) लोचन प्रसाद पाण्डेय (6) लाला जगदलपुरी
(7) पवन दीवान (8) कोदूराम दलित

बाह्य परीक्षा - 80 अंक

1. वैकल्पिक प्रश्न/वस्तुनिष्ठ प्रश्न - 20 प्रश्न - 20 अंक
2. अतिलघुउत्तरीय प्रश्न - 08 प्रश्न - 16 अंक
3. लघुउत्तरीय प्रश्न - 08 प्रश्न - 24 अंक
4. दीर्घउत्तरीय प्रश्न - 4-5 प्रश्न - 20 अंक

आंतरिक मूल्यांकन - 20 अंक

निर्धारित पुस्तकें:-

1. छत्तीसगढ़ी भाषा का उद्विकास - डॉ. नरेन्द्र देव वर्मा
2. छत्तीसगढ़ी, हलबी, भतरी भाषाओं का भाषा वैज्ञानिक अध्ययन - भालचंद्र राव तैलंग
3. छत्तीसगढ़ी परिचय- डॉ. बलदेव मिश्र
4. छत्तीसगढ़ी लोकसाहित्य का अध्ययन - दयाशंकर शुक्ल
5. छत्तीसगढ़ी लोकजीवन और लोकसाहित्य का अध्ययन - डॉ. शकुन्तला वर्मा
6. छत्तीसगढ़ी भाषा का शास्त्रीय अध्ययन- डॉ. शंकर शेष
7. प्राचीन छत्तीसगढ़ी बोली - प्यारेलाल गुप्त
8. छत्तीसगढ़ी लोक साहित्य और भाषा - डॉ. बिहारीलाल साहू
9. छत्तीसगढ़ी भाषा और साहित्य - डॉ. सत्यभामा आडिल
10. छत्तीसगढ़ के साहित्यकार - देवीप्रसाद वर्मा
11. मानक छत्तीसगढ़ी व्याकरण - चंद्रकुमार चंद्राकर
12. छत्तीसगढ़ी लोकसाहित्य : अर्थ और व्याप्ति - डॉ. अनसूया अग्रवाल
13. छत्तीसगढ़ी लोकोक्तियाँ और जनजीवन - डॉ. अनसूया अग्रवाल

2020-21
2019-20

एम.ए. पूर्व (हिन्दी)

एम.ए. पूर्व में कुल पांच प्रश्न पत्र होंगे । प्रत्येक प्रश्न पत्र तीन घण्टे का तथा 100 अंको का होगा । इस परीक्षा में भाषा और साहित्य का व्यापक ज्ञान अपेक्षित है । निर्धारित पुस्तक और उसके निर्दिष्ट अंश केवल व्याख्यापरख प्रश्नों के लिए है । समीक्षात्मक प्रश्न कृतिकार के संपूर्ण कृतित्व से संबंधित रहेंगे । द्रुत पाठ के लिए रचनाकार के कृतित्व से परिचित होना आवश्यक है । हिन्दी भाषा और साहित्य के संपूर्ण वाङ्मय का ज्ञान अपेक्षित है । हिन्दी के समकालीन भारतीय साहित्य, जनपदीय भाषा का साहित्य एवं रोजगारोन्मुख व्यावसायिक हिन्दी का पाठ्यक्रम बदलते युग की मांग है । अतः विद्यार्थियों को युगानुरूप हिन्दी के विविध व्यावसायिक रूपों का भी अध्ययन करना होगा ।

प्रत्येक प्रश्न पत्र में संबंधित काल के इतिहास एवं संस्कृति की जानकारी भी अपेक्षित है । अपने क्षेत्र से संबंधित आंचलिक बोली/भाषा का अपेक्षित ज्ञान एवं क्षेत्रीय शब्दों का सर्वेक्षण कार्य आवश्यक है ।

एम.ए. पूर्व हिन्दी के निम्नलिखित पांच प्रश्न पत्र होंगे:-

क्रं.	प्रश्न पत्र	प्रश्न पत्र का नाम	अंक	पेपर कोड
1.	प्रथम	हिन्दी साहित्य का इतिहास	100	0313
2.	द्वितीय	प्राचीन एवं मध्यकालीन काव्य	100	0314
3.	तृतीय	आधुनिक हिन्दी काव्य	100	0315
4.	चतुर्थ	आधुनिक गद्य साहित्य	100	0316
5.	पंचम	जनपदीय भाषा और साहित्य (छत्तीसगढ़ी)	100	0317

एम.ए. पूर्व (हिन्दी)

प्रथम प्रश्न पत्र

हिन्दी साहित्य का इतिहास

(पेपर कोड 0313)

प्रस्तावना-

किसी भी देश के जनमानस की मनोवृत्ति, दशा एवं संवेदना के विविध स्वरूपों का संचित रूप वहां के साहित्य में परिलक्षित होता है । सामाजिक, राजनीतिक, सांस्कृतिक आदि विभिन्न परिस्थितियों के कारण चित्तवृत्तियों में परिवर्तन होता है, फलतः साहित्यिक रूपों में भी बदलाव आ जाता है । इस बदली हुई विकास प्रक्रिया को साहित्य के इतिहास के माध्यम से ही देखा परखा जा सकता है ।

हिन्दी क्षेत्र की परिस्थितियों से कमोबेश पूरा भारत प्रभावित होता रहा है जिसकी गूँज हिन्दी साहित्य में प्रतिध्वनित है । आठवीं नवीं शताब्दी से लेकर आज तक

के विकास परिदृश्य के साथ साहित्यिक सृजनशीलता के विविध रूपों, प्रवृत्तियों और भाषा-शैलियों का ज्ञान हिन्दी साहित्य के इतिहास के माध्यम से ही किया जा सकता है । अतः इसका अध्ययन सर्वथा सार्थक एवं समीचीन है ।

पाठ्य विषय

इकाई-1 इतिहास-दर्शन और साहित्येतिहास ।

- हिन्दी साहित्य के इतिहास लेखन की परम्परा, आधारभूत सामग्री और साहित्येतिहास के पुनर्लेखन की समस्याएँ ।
- हिन्दी साहित्य का इतिहास : काल विभाजन, सीमा-निर्धारण और नामकरण ।
- हिन्दी साहित्य : आदिकाल की पृष्ठभूमि, सिद्ध और नाथ-साहित्य, रासो-काव्य, जैन-साहित्य ।
- हिन्दी साहित्य के आदिकाल का ऐतिहासिक परिदृश्य, साहित्यिक प्रवृत्तियाँ, काव्यधाराएँ, गद्य साहित्य, प्रतिनिधि रचनाकार और उनकी रचनाएँ ।

इकाई-2 पूर्व-मध्यकाल (भक्तिकाल) की ऐतिहासिक पृष्ठभूमि, सांस्कृतिक-चेतना एवं भक्ति-आंदोलन, विभिन्न-काव्यधाराएँ तथा उनका वैशिष्ट्य ।

- प्रमुख निर्गुण संत कवि और उनका अवदान ।
- भारत में सूफी मत का विकास तथा प्रमुख सूफी कवि और काव्यग्रंथ, सूफी काव्य में भारतीय संस्कृति एवं लोकजीवन के तत्व ।
- राम और कृष्ण काव्य, राकृष्णोत्तर काव्य, भक्तीतर काव्य, प्रमुख कवि और उनका रचनागत वैशिष्ट्य, भक्तिकालीन गद्य-साहित्य ।

इकाई-3 उत्तरमध्यकाल (रीतिकाल) की ऐतिहासिक पृष्ठभूमि, काल-सीमा और नामकरण, दरबारी संरक्षित लक्षण ग्रंथों की परम्परा, रीतिकालीन साहित्य की विभिन्न धाराएँ (रीतिबद्ध, रीतिसिद्ध और रीतिमुक्त) प्रवृत्तियाँ और विशेषताएँ, प्रतिनिधि रचनाकार और रचनाएँ । रीतिकालीन गद्य-साहित्य । आधुनिक काल की सामाजिक, राजनैतिक, आर्थिक एवं सांस्कृतिक पृष्ठभूमि, सन् 1857 की राजक्रांति और पुनर्जागरण ।

भारतेन्दु युग : प्रमुख साहित्यकार, रचनाएँ और साहित्यिक विशेषताएँ ।

द्विवेदी युग : प्रमुख साहित्यकार, रचनाएँ और साहित्यिक विशेषताएँ ।

- हिन्दी स्वच्छदयावादी चेतना का परवर्ती विकास-छायावादी काव्य : प्रमुख साहित्यकार, रचनाएँ और साहित्यिक विशेषताएँ ।

इकाई-4 उत्तरछायावादी काव्य की विविध प्रवृत्तियाँ-प्रगतिवाद, प्रयोगवाद, नयी कविता, नवगीत, समकालीन कविता ।

प्रमुख साहित्यकार, रचनाएँ और साहित्यिक विशेषताएँ ।

- हिन्दी गद्य की प्रमुख विधाओं (कहानी, उपन्यास, नाटक, निबंध, संस्मरण, रेखाचित्र, जीवनी, आत्मकथा, रिपोतार्ज, आदि) का विकास ।

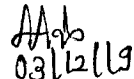
- हिन्दी आलोचना का उद्भव और विकास ।
- दक्खिनी हिन्दी साहित्य का संक्षिप्त परिचय ।
- उर्दू साहित्य का संक्षिप्त परिचय ।
- हिन्दीत्तर क्षेत्रों तथा देशान्तर में हिन्दी भाषा और साहित्य ।

अंक विभाजन —

04 आलोचनात्मक प्रश्न	4 X 15	60 अंक
05 लघुत्तरीय प्रश्न	5 X 4	20 अंक
20 वस्तुनिष्ठ प्रश्नय	20X 1	20 अंक
	कुल	100 अंक

संदर्भ—ग्रन्थ —

1. हिन्दी साहित्य का इतिहास— आचार्य रामचन्द्र शुक्ल
2. हिन्दी साहित्य का इतिहास— डॉ. नगेन्द्र
3. हिन्दी साहित्य का इतिहास — बाबू गुलाबराय
4. हिन्दी साहित्य का इतिहास — डॉ. रामकुमार वर्मा
5. हिन्दी साहित्य का इतिहास— रमाशंकर शुक्ल रसाल ।
6. हिन्दी साहित्य का आदिकाल — डॉ. हजारी प्रसाद द्विवेदी
7. हिन्दी साहित्य : युग और प्रवृत्तियाँ — डॉ. शिवकुमार शर्मा
8. आधुनिक हिन्दी साहित्य का इतिहास— कृष्ण शंकर शुक्ल ।
9. हिन्दी भाषा और साहित्य का इतिहास— चतुरसेन शास्त्री
10. हिन्दी साहित्य का विवेचनात्मक इतिहास — देवीशरण रस्तोगी ।
11. हिन्दी साहित्य और उसका विकास — प्रेमलता अग्रवाल
12. हिन्दी साहित्य का संक्षिप्त इतिहास — श्यामसुन्दर दास एवं नंद दुलारे वाजपेयी
13. हिन्दी साहित्य का विवेचनात्मक इतिहास — डॉ. सरयूकान्त शास्त्री
14. हिन्दी साहित्य का इतिहास — हृदयेश मिश्र
15. हिन्दी साहित्य युग और धार — कृष्ण नारायण प्रसाद 'मागध' प्रसाद 'मागध'
16. संस्कृति के चार अध्याय— दिनकर
17. हिन्दी साहित्य का वृहद् इतिहास — नागरी प्रचारिणी सभा (18 भाग)
18. हिन्दी साहित्य— हजारी प्रसाद द्विवेदी
19. हिन्दी साहित्य की भूमिका — हजारी प्रसाद द्विवेदी
20. हिन्दी साहित्य का वैज्ञानिक इतिहास — डॉ. गणपति चन्द्र गुप्त भाग 1 एवं 2


 डॉ. अनुसुईया अग्रवाल डी.लिद्.
 अध्यक्ष
 हिन्दी अध्ययन मंडल
 पं. रविशंकर शुक्ल विश्वविद्यालय
 रायपुर (छत्तीसगढ़) 492 001

द्वितीय प्रश्न पत्र
प्राचीन एवं मध्यकालीन काव्य
(पेपर कोड-0314)

प्रस्तावना—

हिन्दी के आदिकालीन काव्य अपनी पृष्ठभूमि में अप्रभंश के आवेदन को पूरी तरह समेटे हुए है। प्रबंध, मुक्तक आदि काव्य रूपों में रचित और अपभ्रंश एवं देशी भाषा में अभिव्यजित आदिकालीन साहित्य की परवर्ती कालों को प्रभावित करने में सक्रिय एवं सक्षम भूमिका रही है। इनका अध्ययन समाज, संस्कृति और गुण की घड़कनों को समग्रता में समझने के लिए अनिवार्य है।

पाठ्य विषय—

व्याख्या एवं विवेचन के लिए निम्नांकित 6 कवियों का अध्ययन किया जाएगा

1. चंदरबरदाई: पृथ्वीराज रासो संपा, आचार्य हजारी प्रसाद द्विवेदी एवं डॉ. नावर सिंह (शशिवृता विवाह खण्ड)
2. विद्यापति : विद्यापति पदावली—संपा. रामवृक्ष बेनीपुरी (प्रारंभिक)
3. कबीर ग्रंथावली: संपा. डॉ. श्यामसुंदर दास (100 साखियाँ एवं 25 पद)
साखियाँ : गुरुदेव की अंग 1 से 20, सुमिरण की अंग 1 से 10, विरह की अंग 1 से 10, ग्यान बिरह की अंग 1 से 10, परचा की अंग 1 से 10, रस की अंग, 1 से 5 निहकर्म पतिव्रता — 1 से 10, चितावणी 1 से 10, माया 1 से 5, काल की अंग 1 से 10 तक।
पद संख्या : 11, 16, 24, 26, 27, 40, 47, 49, 60, 64, 70, 72, 75, 89, 93, 98, 99, 100, 101, 103, 110, 111, 135, 268 = (25 पद)
4. सूरदास : भ्रमर गीत सार—संपा, आचार्य रामचंद्र शुक्ल (50 पद)
5. तुलसीदास : रामचरित मानस (गीता प्रेस) (सुंदरकांड)
6. बिहारी : बिहारी रत्नाकर, — संपा, जगन्नाथ प्रसाद रत्नाकर (प्रारंभिक 100 दोहे)
7. खण्डेराव भोंसले: राधा विनोद — उत्तरार्ध—अध्याय छब्बीस (रुक्मिणी—कृष्ण विवाह)

द्रुत पाठ हेतु निम्नांकित 10 कवियों की रचनाओं का ज्ञान, भावगत, शिल्पगत विशेषताएँ, कालगत प्रवृत्तियाँ एवं कवि का परिचय जानना आवश्यक है। इन 10 कवियों पर 5 लघुत्तरीय प्रश्न पूछे जायेंगे।

- | | | | |
|-------------|------------|-------------|-----------|
| 1. नन्ददास, | 2. दादू | 3. मीरा बाई | 4. रैदास, |
| 5. रहीम | 6. रसखान | 7. केशव | 8. देव |
| 9. भूषण | 10. पदमाकर | | |

अंक विभाजन -

3 व्याख्या	3X 10 =	30 अंक
2 आलोचनात्मक प्रश्न	2X 15 =	30 अंक
5 लघुत्तरीय प्रश्न	5X 4 =	20 अंक
20 वस्तुनिष्ठ/अति लघुत्तरीय प्रश्न	20X 1 =	20 अंक

इकाई विभाजन -

इकाई-1	व्याख्या
इकाई-2	चंदरबरदाई, विद्यापति एवं कबीर
इकाई-3	सूरदास, तुलसीदास, बिहारीलाल एवं खण्डेराव भोंसले
इकाई-4	दुतपाठ के 10 कवि
इकाई-5	सहायक पाठ्य पुस्तकों से - वस्तुनिष्ठ/अतिलघुत्तरी

सहायक पुस्तकें:-

1. हिन्दी साहित्य का इतिहास आचार्य रामचंद्र शुक्ल
2. हिन्दी साहित्य का आदिकाल - डॉ. हजारी प्रसाद द्विवेदी
3. चन्दबरदाई - डॉ. विपिन बिहारी द्विवेदी
4. विद्यापति - जयनाथ नलिन
5. महाकवि विद्यापति - डॉ. कृष्णानंद पीयूष
6. कबीर का रहस्यवाद - डॉ. रामकुमार वर्मा
7. कबीर साहित्य की परख - परशुराम चतुर्वेदी
8. संत धर्मदास : कबीर पंथ के प्रवर्तक - डॉ. सत्यभाम आडिल
9. कृष्ण काव्य और सूर - डॉ. प्रेमशंकर
10. सूरदास काव्य का मूल्यांकन - डॉ. रामरतन भटनागर
11. सूर साहित्य - डॉ. हजारी प्रसाद द्विवेदी
12. सूरदास - डॉ. हरवंशलाल वर्मा
13. महाकवि तुलसीदास और उनका युग संदर्भ - डॉ. भागीरथ मिश्र
14. तुलसी दर्शन - डॉ. बलदेव प्रसाद मिश्र
15. बिहारी का मूल्यांकन - डॉ. बच्चन सिंह
16. मुक्तक काव्य परंपरा और बिहारी - डॉ. रामसागर त्रिपाठी
17. रीति स्वच्छन्द काव्य धारा - डॉ. कृष्णचन्द्र वर्मा
18. मध्यकालीन हिन्दी काव्यधारा - डॉ. रामस्वरूप मिश्र
19. भक्तिकाल और लोकजीवन - डॉ. शिवकुमार मिश्र
20. घनानंद और स्वच्छंद काव्यधारा - डॉ. मोहन लाल गौड़
21. कबीर - डॉ. महावीर अग्रवाल, श्री प्रकाशन, दुर्ग
22. कबीर - डॉ. हजारी प्रसाद द्विवेदी
23. प्रमुख प्राचीन कवि - डॉ. द्वारिका प्रसाद सक्सेना

तृतीय प्रश्न पत्र
आधुनिक हिन्दी काव्य
(पेपर कोड 0315)

प्रस्तावना —

आधुनिक हिन्दी काव्य पुनर्नवा के रूप में नवीन भावभूमि एवं वैचारिक गतिशीलता लेकर अवतरित हुआ । आधुनिकता, इहलौकिकता, विश्वजनीनता एवं वैज्ञानिक दृष्टिकोण इसकी प्रमुख विशेषताएँ हैं । उपेक्षित विषय भी यहाँ सार्थक एवं प्रासंगिक हो गए । उन्नीसवीं सदी के उत्तरार्द्ध से अद्यावधि तक की संवेदनाएँ, भावनाएँ एवं नूतन विचार सरणियाँ इसमें अभिव्यक्ति हुए हैं । मुकम्मल मनुष्य इसमें अभिव्यंजित हुआ है । विविध धाराओं में प्रवाहमान आधुनिक हिन्दी काव्य प्रेरणा और ऊर्जा का अजस्र स्रोत है । इस प्रश्न पत्र में व्याख्या एवं विवेचना के लिए निम्नांकित 7 कवियों का अध्ययन किया जाएगा ।

पाठ्य विषय—

1. मैथिलीशरण गुप्ता : साकेत (नवम सर्ग)
2. जयशंकर प्रसाद : कामायनी (चिन्ता, श्रद्धा, इड़ा सर्ग)
3. सूर्यकांत त्रिपाठी निराला : राम की शक्ति पूजा, सरोज स्मृति एवं कुकुरमुत्ता ।
4. पंत : (1) परिवर्तन (2) नौका विहार
5. महादेवी वर्मा : (1) प्रिय सांध्य गगन (2) मैं नीरभरी दुःख की बदली (3) पंत होने दो अपरिचित प्राण रहने दो अकेला (4) दूर गया वह निर्मम दर्पण (5) यह मंदिर का दीप इसे नीरव जलने दो (6) रूपसी तेरा धन केश पाश ।
6. अज्ञेय : (1) नदी के द्वीप (2) असाध्य वीणा (3) बावरा अहेरी (4) सोन मछली (5) आंगन के चार (6) कितनी नावों में कितनी बार (7) सत्य तो बहुत मिले (8) एक सन्नाटा बुनता हूँ (9) हमने पौधों से कहा (10) सागर मुद्रा ।
7. मुक्तिबोध : अंधेरे में ।
8. नागार्जुन : (1) बादल को घिरते देखा है (2) सिन्दुर तिलकित भाल (3) बसन्त की आगवानी (4) कोई आए तुमसे सीखे (5) शिशिर विषकन्या (6) तो फिर क्या हुआ (7) यह तुम थीं (8) कोयल आज बोली है (9) अकाल और उसके बाद (10) शासन की बन्दूक ।

दुतपाठ हेतु निम्नांकित 12 कवियों का अध्ययन किया जाएगा । इसमें से किन्हीं 5 कवियों पर लघुत्तरीय प्रश्न पूछे जाएंगे —

A96
03/12/19
ऑ. अनुसुईया अग्रवाल डी.लिद्.
अध्यक्ष
हिन्दी अध्ययन मंडल
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

- | | | |
|--------------------------------|-----------------------|---------------------------|
| 1. अयोध्या सिंह उपाध्याय हरिऔध | 2. हरिवंशराय बच्चन | 3. केदारनाथ अग्रवाल |
| 4. मवानी प्रसाद मिश्र | 5. शमशेर बहादुर सिंह | 6. त्रिलोचन |
| 7. रघुवीर सहाय | 8. धूमिल | 9. सर्वेश्वर दयाल सक्सेना |
| 10. दुष्यंत कुमार | 11. इन्द्र बहादुर खरे | 12. माखनलाल चतुर्वेदी |

अंक विभाजन —

3 व्याख्या	3X 10 =	30 अंक
2 आलोचनात्मक प्रश्न	2X 15 =	30 अंक
5 लघुत्तरीय प्रश्न	5X 4 =	20 अंक
20 वस्तुनिष्ठ/अति लघुत्तरीय प्रश्न	20X 1 =	20 अंक
	कुल =	100 अंक

इकाई विभाजन —

- इकाई—1 व्याख्या
 इकाई—2 गुप्त, प्रसाद व निराला ।
 इकाई—3 महादेवी वर्मा, अज्ञेय, मुक्तिबोध एवं नागार्जुन ।
 इकाई—4 द्रुतपाठ के 12 कवि
 इकाई—5 वस्तुनिष्ठ (सभी पाठ्यपुस्तकों से)

सहायक पुस्तकें—

1. साकेत एक अध्ययन — डॉ. नगेन्द्र
2. प्रसाद का काव्य — डॉ. प्रेमशंकर
3. कामायनी का पुनर्मूल्यांकन — डॉ. रामस्वरूप चतुर्वेदी
4. कामायनी एक पुनर्विचार — मुक्तिबोध
5. कामायनी के अध्ययन की समस्याएँ — डॉ. नगेन्द्र
6. कवि निराला — आचार्य नंद दुलारे वाजपेयी
7. निराला की साहित्य साधना — डॉ. रामविलास शर्मा
8. कवि दृष्टि — रामस्वरूप चतुर्वेदी
9. नयी कविता की पहचान — डॉ. राजेन्द्र मिश्र
10. हिन्दी साहित्य : आधुनिक परिदृश्य — अज्ञेय
11. नया साहित्य : नये प्रश्न — आचार्य नंददुलारे वाजपेयी
12. हिन्दी साहित्य सम्मेलन का प्रकार — विवरणिका
13. स्मृति लेखा — सं. ही. वात्स्यायन
14. कामायनी मिथक और स्वप्न — रमेश कुंतल मेंद्य
15. फिलहाल — डॉ. अशोक वाजपेयी
16. अज्ञेय का रचना संसार — डॉ. रामस्वरूप चतुर्वेदी
17. कविता की तीसरी आंख — डॉ. प्रभाकर श्रोत्रिय
18. कविता से साक्षात्कार — मलयज
19. कविता का गल्प — डॉ. अशोक वाजपेयी
20. शमशेर बहादुर सिंह — डॉ. प्रभाकर श्रोत्रिय
21. हिन्दी साहित्य का इतिहास — आचार्य रामचन्द्र शुक्ल
22. निराला काव्य पुनर्मूल्यांकन — डॉ. धनंजय वर्मा
23. समकालीन हिन्दी कविता — रमेश अनुपम

24. समकालीन हिन्दी काव्य – डॉ. द्वारिका प्रसाद सक्सेना
25. परम अभिव्यक्ति की खोज – डॉ. धनंजय वर्मा
(मुक्तिबोध के काव्य का पुनर्मूल्यांकन)
26. भोर के गीत – इन्द्रबहादुर खरे
27. आधुनिक काव्य संकलन – सत्यभामा आडिल
28. साकेश का शैली वैज्ञानिक अध्ययन – सुभद्रा राठौर
29. कवि कथाकार विनोद कुमार शुक्ल का साहित्य – डॉ. आस्था तिवारी (शताक्षी प्रकाशन चौबे कालोनी, रायपुर)
30. प्रगतिशील कविता और केदार – गिरिजाशंकर गौतम (शताक्षी प्रकाशन चौबे कालोनी, रायपुर)
31. मूकमाटी – श्री विद्यासागर जी
32. छायावादोत्तर काव्य की विभिन्न प्रवृत्तियों एवं उनका चैन्तनिक पक्ष – डॉ. ज्योति पाण्डेय

चतुर्थ प्रश्न पत्र आधुनिक गद्य-साहित्य (पेपर कोड-0316)

उद्देश्य और प्रस्तावना-

आधुनिक काल में गद्य-साहित्य को अभूतपूर्वक सफलता मिली है। यह मानव-मन और मस्तिष्क की अभिव्यक्ति का सशक्त एवं अनिवार्य माध्यम बन गया है। मनुष्य का राग-विराग, तर्क-वितर्क तथा चिंतन-मनन जिस रागात्मकता के साथ कौशलपूर्वक ढंग से गद्य में अभिव्यंजित होता है, वैसा अन्य साहित्यांग में नहीं। आधुनिक काल में गद्य की विविध रूपों का विकास इस तथ्य का साक्ष्य है कि प्रौढ़-मन मस्तिष्क की पूर्ण अभिव्यक्ति गद्य में ही संभव है। निबंध गद्य का प्रौढ़ शक्तिशाली प्रतिरूप, उसकी वैयक्तिक एवं स्वातंत्र्य चेतना का विश्वसनीय प्रतिनिधि है। नाटक, उपन्यास, कहानी तथा अन्य विविध विधाओं के रूप में गद्य साहित्य वामन से विराट बन गया है। आज मनुष्य को उसकी प्रकृति, परिवेश परिस्थिति तथा चिंतन की विकास प्रक्रिया के साथ सहज प्रामाणिक रूप में गद्य के माध्यम से ही जाना जा सकता है। अतः इसका अध्ययन अनिवार्य है। इस प्रश्न पत्र में 2 नाटक, 2 उपन्यास, 7 निबंध, 7 कहानियाँ एवं 1 चरितात्मक कृति पठनीय है।

पाठ्य विषय-

व्याख्या एवं विवेचन के लिए निर्धारित -

1. चन्द्रगुप्त (जयशंकर प्रसाद)
2. हानूश (भीष्म साहनी)
3. गोदान (प्रेमचंद)
4. बाणभट्ट की आत्मकथा (हजारी प्रसाद द्विवेदी)

5. निबंध-

1. बालकृष्ण भट्ट : चढ़ती उमर
2. आचार्य रामचंद्र शुक्ल : कविता क्या है?
3. आचार्य हजारी प्रसाद द्विवेदी : भारतीय साहित्य की प्राणशक्ति
4. रामवृक्ष बेनीपुरी : माटी की मूरतें
5. कुबेरनाथ राय : हरी हरी दूब और लाचार क्रोध
6. विद्यानिवास मिश्र : चन्द्रमा मनसो जातः

7. हरिशंकर परसाई : वैष्णव की फिसलन
6. कहानी—

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|----------------------------|------------------|
| 1. चन्द्रधर शर्मा गुलेरी : | उसने कहा था |
| 2. जयशंकर प्रसाद : | पुरस्कार |
| 3. प्रेमचंद : | सुजान भगत |
| 4. राजेन्द्र यादव : | छोटे-छोटे ताजमहल |
| 5. कृष्णा सोबती : | बादलों के घेरे |
| 6. उषा प्रियंवदा : | वापसी |
| 7. यशपाल : | मक्रील |

7. चरितात्मक कथा —
विष्णु प्रभाकर : आवारा मसीहा ।

दुत पाठ हेतु 5 नाटककार, 5 उपन्यासकार, 5 निबंधकार, 5 कहानीकार और 2 स्फुट गद्य विधाओं के रचनाकार रखे गए हैं । इनमें से प्रत्येक विधा से संबंधित 1-1 लघुत्तरीय प्रश्न पूछा जाएगा ।

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|-------------|---------------------------|--------------------------|---------------------|
| नाटककार— | 1. भारतेन्दु हरिश्चन्द्र | 2. डॉ. रामकुमार वर्मा | 3. भुवनेश्वर |
| | 4. जगदीशचन्द्र माथुर | 5. उपेन्द्रनाथ अशक | |
| उपन्यासकार— | 1. राहुल सांकृत्यायन | 2. यशपाल | 3. अमृतलाल नागर |
| | 4. भीष्म सहानी | 5. मन्नू भण्डारी | |
| निबंधकार— | 1. प्रतापनारायण मिश्र | 2. सरदार पूर्णसिंह | 3. बालमुकुन्द गुप्त |
| | 4. शिवपूजन सहायक | 5. चन्द्रधर शर्मा गुलेरी | |
| कहानीकार— | 1. पांडेय बेचन शर्मा उग्र | 2. रांगेय राघव | 3. फणीश्वरनाथ रेणु |
| | 4. शिव प्रसाद सिंह | 5. अमरकांत | |

स्फुट ग्रंथ— 1. हरिवंशराय बच्चन (क्या भूलूँ क्या याद करूँ) 2. महादेवी वर्मा (संस्मरण)

अंक विभाजन

3 व्याख्या	3X 10 =	30 अंक
2 आलोचनात्मक प्रश्न	2X 15 =	30 अंक
5 लघुत्तरीय प्रश्न	5X 4 =	20 अंक
20 वस्तुनिष्ठ/अति लघुत्तरीय प्रश्न	20X 1 =	20 अंक
	कुल =	100 अंक

इकाई विभाजन —

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| इकाई—1 | व्याख्या |
| इकाई—2 | चन्द्रगुप्त, हानूश, गोदान एवं बाणभट्ट की आत्मकथा |
| इकाई—3 | निबंध, कहानी एवं चरितात्मक कथा आवारा मसीहा |
| इकाई—4 | दुतपाठ के रचनाकार |
| इकाई—5 | वस्तुनिष्ठ (सभी पाठ्यक्रमों से) |

सहायक पुस्तकें—

1. हिन्दी नाटक उद्भव और विकास — डॉ. दशरथ ओझा
2. हिन्दी नाटक सिद्धांत और विवेचन — डॉ. गिरीश रस्तोगी
3. हिन्दी नाटक पुनर्मूल्यांकन — डॉ. सत्येन्द्र तनेजा
4. समसामयिक हिन्दी नाटकों में चरित्र सृष्टि — डॉ. जयदेव तनेजा
5. हिन्दी एकांकी की शिल्पविधि का विकास — डॉ. सिद्धनाथ कुमार
6. प्रेमचंद और उसका युग — डॉ. रामविलास शर्मा
7. गोदान के अध्ययन की समस्याएँ — डॉ. गोपाल राय
8. कहानी नई कहानी — डॉ. नामवर सिंह
9. नई कहानी की भूमिका — कमलेश्वर
10. शांति निकेतन में शिवालिक — डॉ. शिवप्रसाद सिंह
11. हजारी प्रसाद द्विवेदी — सं. विश्वनाथ तिवारी
12. कहानी, संवेदना और धरातल — राजेन्द्र यादव
13. कथाकार फणीश्वर नाथ रेणु — चंद्रमान सोनवणे
14. हिन्दी के आंचलिक उपन्यासों में जीवन सत्य — डॉ. इंदु प्रकाश पाण्डेय
15. हिन्दी उपन्यासों में आंचलिकता की प्रवृत्ति — डॉ. के.वुड़के
16. हिन्दी कहानी का रचना शास्त्र — डॉ. धनंजय वर्मा
17. हिन्दी कहानी का सफरनामा — डॉ. धनंजय वर्मा
18. प्रसाद के नाटकों का शास्त्रीय अध्ययन — जगन्नाथ प्रसाद शर्मा
19. रंग-दर्शन — नेमिचंद जैन
20. संस्मरण — महादेवी वर्मा
21. प्रेमचंद साहित्य में सूक्ति-सौष्ठव — राजकुमार पाण्डेय
22. हजारी प्रसाद द्विवेदी का साहित्य चिंतन — शशि पाण्डेय (शताक्षी प्रकाशन, चौबे कालोनी, रायपुर)
23. हिन्दी लघुकथा का विकास — डॉ. अंजली शर्मा (शताक्षी प्रकाशन, चौबे कालोनी, रायपुर)
24. भीष्म साहनी के उपन्यास और नाटक — डॉ. राकेश कुमार तिवारी (अभिषेक प्रकाशन, रायपुर)
25. नई कहानी और भीष्म साहनी — डॉ. राकेश कुमार तिवारी (शताक्षी प्रकाशन, चौबे कालोनी, रायपुर)

Aqab
03/12/19
डॉ. अनुसुईया अग्रवाल डी.लिट.
अध्यक्ष
हिन्दी अध्ययन मंडल
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

पंचम प्रश्न पत्र
जनपदीय भाषा और साहित्य
(पेपर कोड-0317)

उद्देश्य एवं प्रस्तावना—

हिन्दी साहित्य मात्र खड़ी बोली तक सीमित नहीं है । उसकी अनेक विभाषाओं में आज भी पर्याप्त साहित्य सृजन किया जा रहा है । प्राचीन साहित्य तो मुख्यतः विभाषाओं में ही प्राप्त है । इनका पृथक अध्ययन कराने से इन विभाषाओं का उत्तरोत्तर विकास होगा । इस प्रश्न पत्र में क्षेत्रीय/जनपदीय भाषा में रचित अर्वाचीन साहित्य का अध्ययन आवश्यक है ।

पाठ्य विषय—

1. अ. छत्तीसगढ़ी भाषा एवं व्याकरण—

(भौगोलिक सीमा, नामकरण, भाषा का इतिहास, व्याकरण के अंग—उपांग)

ब. छत्तीसगढ़ी साहित्य की युग प्रवृत्तियों एवं इतिहास

2. छत्तीसगढ़ी कविता एवं कवि : (व्याख्या एवं विवेचना)

- | | | |
|-----------------------------|--------------------|---------------------------|
| (1) सुंदर लाल शर्मा | (2) मुकटधर पाण्डेय | (3) द्वारिका प्रसाद मिश्र |
| (4) कुंज बिहारी चौबे | (5) कपिल नाथ कश्यप | (6) श्याम लाल चतुर्वेदी |
| (7) गिरिवर दास वैष्णव | (8) हरि ठाकुर | (9) नारायण लाल परमार |
| (10) डॉ. नरेन्द्र देव वर्मा | | |

3. छत्तीसगढ़ी गद्य एवं गद्यकार — (व्याख्या एवं विवेचना)

- | |
|---|
| (1) सतवंतिन सुकवारा (श्याम लाल चतुर्वेदी) |
| (2) सुवा हमर संगवारी (लखन लाल गुप्त) |
| (3) गोरसी के गोठ (डॉ. पालेश्वर प्रसाद शर्मा) |
| (4) ऑसू में फिले अचरा (केयूर भूषण) |
| (5) कचवा, कबूतर अऊ मनखे (परमानंद वर्मा) |
| (6) गाय न गय, सुख होय हरू (लक्ष्मण मस्तुरिहा) |
| (7) फिरंतिन (मौसी दाई) — (शिवशंकर शुक्ल) |

4. छत्तीसगढ़ी नाटक एवं एकांकी – (व्याख्या एवं विवेचना)

- (1) करमछड़हा (नाटक) – डॉ. खूबचंद बघेल
- (2) परेमा (एकांकी) – नन्दकिशोर तिवारी
- (3) सउत के डर (एकांकी) – टिकेन्द्र टिकरिहा

5. उपन्यास– (व्याख्या एवं विवेचना)

- (1) आवा– परदेशी राम वर्मा
- (2) माटी के मितान– सरला शर्मा

द्रुत पाठ के लिए निम्नांकित कवियों का अध्ययन किया जाएगा । इनमें से किन्हीं पांच पर लघुत्तरीय प्रश्न पूछे जाएंगे ।

- | | | |
|---------------------|---------------------------|-------------------------|
| (1) नरसिंह दास | (2) शुकलाल प्रसाद पाण्डेय | (3) लोचन प्रसाद पाण्डेय |
| (4) कपिलनाथ मिश्र | (5) प्यारेलाल गुप्ता | (6) लाल जगदलपुरी |
| (7) लखनलाल वर्मा | (8) कोदूराम दलित | (9) डॉ. बल्देव |
| (10) दानेश्वर वर्मा | (11) पवन दीवान | (12) जीवन यदु |
| (13) ऊधोराम झखमार | (14) बद्रीविशाल परमानन्द | |

अंक विभाजन –

3 व्याख्या	3X 10	=	30 अंक
2 आलोचनात्मक प्रश्न	2X 15	=	30 अंक
5 लघुत्तरीय प्रश्न	5X 4	=	20 अंक
20 वस्तुनिष्ठ/अति लघुत्तरीय प्रश्न	20X 1	=	20 अंक
कुल			= 100 अंक

इकाई विभाजन –

इकाई-1 व्याख्या (01 कविता, 01 गद्यकथा, 01 नाटक एवं उपन्यास)

इकाई-2 छत्तीसगढ़ी कविता एवं कवि
छत्तीसगढ़ी गद्य एवं गद्यकार

इकाई-3 छत्तीसगढ़ी नाटक, एकांकी एवं आवा (उपन्यास)

इकाई-4 द्रुतपाठ के रचनाकार व छत्तीसगढ़ी साहित्य की युग प्रवृत्तियों एवं इतिहास
(आमुख)

इकाई-5 भाषा एवं व्याकरण (वस्तुनिष्ठ)

पाठ्यपुस्तक छत्तीसगढ़ी भाषा और साहित्य- संपादक- डॉ. सत्यभामा आडिल ।

सहायक पुस्तकें:-

1. छत्तीसगढ़ी का उद्विकास - डॉ. नरेन्द्रदेव वर्मा
2. छत्तीसगढ़ी बोली व्याकरण और कोश - डॉ. कांतिकुमार
3. छत्तीसगढ़ी हलवी, भतरी भाषाओं का भाषावैज्ञानिक अध्ययन - भलाचंद्रराव तैलंग
4. छत्तीसगढ़ी परिचय- डॉ. बलदेव प्रसाद मिश्र
5. खूब तमाश - गोपाल प्रसाद मिश्र
6. छत्तीसगढ़ी लोकसाहित्य का अध्ययन - दयाशंकर शुक्ल
7. ए ग्रामर ऑफ छत्तीसगढ़ डायलेक्ट - हीरालाल काव्यापाध्याय
अनुवादक ग्रियर्सन
8. स्व. लोचन प्रसाद पाण्डेय - प्यारेलाल गुप्त
9. छत्तीसगढ़ी लोकजीवन और लोकसाहित्य का अध्ययन- डॉ. शंकुतला वर्मा
10. छत्तीसगढ़ी का भाषा शास्त्रीय अध्ययन - डॉ. शंकुतला वर्मा
11. प्राचीन छत्तीसगढ़ी बोली - प्यारेलाल गुप्त
12. छत्तीसगढ़ी साहित्य का ऐतिहासिक अध्ययन - नंदकिशोर तिवारी
13. झोंपी - जमुना प्रसाद कसार
14. छत्तीसगढ़ी लोकसाहित्य और भाषा - डॉ. बिहारी लाल साहू
15. छत्तीसगढ़ के नव रत्न - रमेश नैयर (शताक्षी प्रकाशन,
चौबे कालोनी, रायपुर)
16. छत्तीसगढ़ी लोक साहित्य: अर्थ और व्याप्ति - डॉ. अनुसूया अग्रवाल (शताक्षी प्रकाशन,
चौबे कालोनी, रायपुर)
17. छत्तीसगढ़ के साहित्यकार - देवीप्रसाद वर्मा (शताक्षी प्रकाशन,
चौबे कालोनी, रायपुर)
18. मानक छत्तीसगढ़ी व्याकरण - चंद्रकुमार चंद्राकर (शताक्षी प्रकाशन,
चौबे कालोनी, रायपुर)
19. पैदल जिंदगी का कवि - डॉ. डुमन लाल धुव
20. पुतरा-पुतरी के बिहाव - परदेसीराम वर्मा
21. अपूर्वा - डॉ. नरेन्द्रदेव वर्मा
22. पुतरा-पुतरी के बिहाव - परदेसीराम वर्मा

- | | |
|---|--|
| 23. दुवारी — | प्रदीप कुमार वर्मा |
| 24. रत्ना — | पारसनाथ देवांगन |
| 25. छत्तीसगढ़ के सुराजी — | सुशील यदु |
| 26. संत धर्मदास — | डॉ. सत्यभामा आडिल |
| 27. पिंवरी लिखे तोर भाग — | बद्रीविशाल परमानंद |
| 28. लोकरंग 1, 2 — | संपादक सुशील यदु |
| 29. सोन चिरइया — | हेमनाथ यदु |
| 30. हमार छत्तीसगढ़ — | सं. महावीर अग्रवाल |
| 31. कौशल्यानंदन (छत्तीसगढ़ी अनुवाद) — | प्रभंजन शास्त्री |
| 32. ऋतुसंहार (छत्तीसगढ़ी अनुवाद) — | रसिक बिहारी अवधिया |
| 33. ररूहा सपनाय दारभात — | ऊधोराम झखमार |
| 34. छत्तीसगढ़ी गजल — | मुकुन्द कौशल |
| 35. खोरबाहरा तोला गांधी बनाबो — | डॉ. राजेन्द्र सोनी |
| 36. चोर ले जादा मोटरा अलवाईन — | डॉ. राजेन्द्र सोनी |
| 37. छत्तीसगढ़ हाइकू — | डॉ. राजेन्द्र सोनी |
| 38. छत्तीसगढ़ी लोकोक्तियों और जनजीवन — | डॉ. अनुसूया अग्रवाल |
| 39. छत्तीसगढ़ के युग पुरुष त्यागमूर्ति ठाकुर प्यारेलाल— | रमेश नैयर (शताक्षी प्रकाशन चौबे कालोनी, रायपुर) |
| 40. छत्तीसगढ़ की लोक कथाएँ— | जयप्रकाश मानस (शताक्षी प्रका. चौबे कालोनी, रायपुर) |

छत्तीसगढ़ी शब्दकोश—

- | | |
|--------------------------------------|----------------------------------|
| 1. छत्तीसगढ़ी शब्दकोश — | डॉ. पालेश्वर वर्मा |
| 2. छत्तीसगढ़ी शब्दकोश — | डॉ. चन्द्रकुमार चन्द्राकर |
| 3. छत्तीसगढ़ी भाषा, वियाकरण अउ कोस — | मंगत रवीन्द्र |
| 4. छत्तीसगढ़ी शब्दकोश — | रमेश चन्द्र महरोत्रा एवं अन्य |
| 5. छत्तीसगढ़ी व्यवहारिक शब्द कोश — | डॉ. सत्यभामा आडिल |
| 6. छत्तीसगढ़ी मुहावरा कोश — | डॉ. रमेशचन्द्र महरोत्रा एवं अन्य |

पत्र-पत्रिकाएँ —

- | | |
|----------------------|--|
| 1. लोकाक्षर— | छत्तीसगढ़ी त्रैमासिक पत्रिका, बिलासपुर |
| 2. छत्तीसगढ़ी सेवक — | साप्ताहिक छत्तीसगढ़ी पत्र, सं. जागेश्वर प्रसाद |

3. देशबंधु का साप्ताहिक मड़ई अंक— सं. सुधा वर्मा
4. काहे रे नलिनी तू कुम्हलानी — वार्षिक पत्रिका, सं. परदेशीराम वर्मा
5. धरोहर (मासिक पत्रिका) — सं. दुर्गा प्रसाद पारकर ।

AA
03/12/19
डॉ. अनुसुईया अग्रवाल डी.लिद.
अध्यक्ष
हिन्दी अध्ययन मंडल
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

2020-21
~~2019-20~~
 एम.ए. (हिन्दी) अंतिम
 O.S.D. (Acad.)
 Pt. Ravishankar Shukla University
 RAIPUR (C.G.)

एम.ए. अंतिम हिन्दी में निम्नलिखित अनिवार्य प्रश्न पत्र होंगे ।

क्रं.	प्रश्न पत्र	प्रश्न पत्र का नाम	अंक	पेपर कोड
1.	षष्ठ	काव्यशास्त्र एवं साहित्यालोचन	100	0318
2.	सप्तम	भाषाविज्ञान एवं हिन्दी भाषा	100	0319
3.	अष्टम	प्रयोजनमूलक हिन्दी	100	0320
4.	नवम	भारतीय साहित्य	100	0321
5.	दशम	पत्रकारिता प्रशिक्षण	100	0322

षष्ठ प्रश्न पत्र
काव्यशास्त्र एवं साहित्यलोचन
(पेपर कोड-0318)

प्रस्तावना—

रचना के वैशिष्ट्य और मूल्यबोध के उद्घाटन के लिए काव्यशास्त्र और साहित्यलोचन का ज्ञान अपरिहार्य है । इनसे साहित्यिक समझ विकसित होती है । यह दृष्टि मिलती है जिसके आधार पर साहित्य के मर्म और मूल्यवत्ता की वास्तविक परख की जा सके । सामाजिक-सांस्कृतिक परिवेश के साथ रचना का आस्वाद प्राप्त करने, रचना को उसकी समग्रता में समझने और जॉचने-परखने के लिए भारतीय और पाश्चात्य काव्य शास्त्र तथा हिन्दी के निजी साहित्यलोचन का अध्ययन समीचीन है ।

पाठ्यविषय

- इकाई-1 संस्कृत काव्यशास्त्र : काव्य-लक्षण, काव्य हेतु, काव्य प्रयोजन, काव्य के प्रकार ।
 रस-सिद्धांत: रस का स्वरूप, रस निष्पत्ति, रस के अंग, साधारणीकरण, सहृदय की अवधारणा
 अलंकार सिद्धांत : मूल स्थापनाएँ, अलंकारों का वर्गीकरण ।
 रीति का सिद्धांत: रीति की अवधारण, काव्य-गुण, रीति एवं शैली,
 रीति सिद्धांत की प्रमुख स्थापनाएँ ।
 वक्रोक्ति-सिद्धांत: वक्रोक्ति की अवधारण, वक्रोक्ति के भेद, वक्रोक्ति एवं अभिव्यंजनावाद ।
 ध्वनि-सिद्धांत : ध्वनि का स्वरूप, ध्वनि- सिद्धांत की प्रमुख स्थापनाएँ,
 ध्वनि- काव्य के प्रमुख पद । भेद, गुणीभूत, व्यंग्य, चित्र-काव्य ।

औचित्य सिद्धांत : परमुख स्थापनाएँ, औचित्य के भेद

इकाई-2 — पाश्चात्य काव्यशास्त्र

प्लेटो : काव्य सिद्धांत

अरस्तू : अनुकरण— सिद्धांत, त्रासदी— विवेचन

लोजाइनस : उदात्त की अवधारणा ।

मैथ्यू ऑर्नल्ड : आलोचना का स्वरूप और प्रकार्य ।

आई.ए.रिचर्ड्स : रागात्मक अर्थ, संवेगों का संतुलन, व्यवहारिक आलोचना ।

कॉलरिज

डी.एस. इलियट

इकाई-3 (क) हिन्दी कवि-आचार्यों का काव्यशास्त्रीय, चिंतन, लक्षण, काव्य परंपरा एवं काव्य शिक्षा—

- (1) केशवदास (2) देव (3) रामचन्द्र शुक्ल (4) नंददुलारे वाजपेयी
(5) डॉ. रामविलास शर्मा ।

(ख) हिन्दी आलोचना की प्रमुख प्रवृत्तियों :

शास्त्रीय, व्यक्तिवादी, ऐतिहासिक तुलनात्मक, प्रभाववादी, मनोविश्लेषणवादी, सौंदर्यशास्त्रीय, शैली वैज्ञानिक और समाजशास्त्रीय ।

(ग) व्यावहारिक समीक्षा, काव्यांश की स्वविवेक के अनुसार व्याख्या ।

इकाई-4 सिद्धांत और वाद—अभिजात्यवाद, स्वच्छंदावाद, अभिव्यंजनावाद, मार्क्सवाद, मनोविश्लेषण तथा अस्तित्व वाद ।

इकाई विभाजन


अंक विभाजन

- | | |
|--|--------|
| 1. संस्कृत काव्य शास्त्र | 15 अंक |
| 2. पाश्चात्य काव्यशास्त्र | 15 अंक |
| 3. (क) हिन्दी कवि आचार्यों का काव्यशास्त्रीय चिंतन | 15 अंक |
| (ख) हिन्दी आलोचना की प्रमुख प्रवृत्तियों | |
| (ग) व्यावहारिक समीक्षा | |
| 4. सिद्धांत और वाद | 15 अंक |

5.	5 लघुत्तरीय प्रश्न	5X4	20 अंक
6.	20 वस्तुनिष्ठ/अति लघुत्तरीय प्रश्न	20X1	20 अंक
		कुल	100 अंक

संदर्भ ग्रन्थ:—

- | | | | |
|-----|------------------------------|---|---------------------------|
| 1. | साहित्य के प्रमुख पक्ष | — | डॉ. राममूर्ति त्रिपाठी |
| 2. | रस सिद्धांत | — | डॉ. नगेन्द्र |
| 3. | रीति काव्य की भूमिका | — | डॉ. नगेन्द्र |
| 4. | भारतीय काव्यशास्त्री | — | डॉ. उदयमान सिंह |
| 5. | हिन्दी की सामाजिक समीक्षा | — | डॉ. रामाधार शर्मा |
| 6. | हिन्दी आलोचना के आधार स्तम्भ | | |
| 7. | समीक्षा के प्रतिमान | — | डॉ. निर्मला जैन |
| 8. | पाश्चात्य काव्य शास्त्र | — | डॉ. विजय बहादुर सिंह |
| 9. | पाश्चात्य समीक्षा के मानदंड | — | प्रो. प्रमोद वर्मा |
| 10. | भारतीय और पाश्चात्य समीक्षा | — | डॉ. गणेश खरे |
| 11. | मार्क्सवादी साहित्य चिंतन | — | डॉ. शिव कुमार मिश्र |
| 12. | आलोचना के नये मान | — | कर्ण सिंह चौहान |
| 13. | कला की कसौटी | — | निर्मला वर्मा |
| 14. | यथार्थवाद | — | डॉ. शिवकुमार मिश्रा |
| 15. | दूसरी परम्परा की खोज | — | डॉ. नामवर सिंह |
| 16. | समीक्षा के प्रतिमान | — | डॉ. गंगाचरण त्रिपाठी |
| 17. | नया साहित्य नये प्रश्न | — | आचार्य नंद दुलारे वाजपेयी |


 03/12/19
 डॉ. अनुसुईया अग्रवाल डी.लिट.
 अध्यक्ष
 हिन्दी अध्ययन मंडल
 पं. रविशंकर शुक्ल विश्वविद्यालय
 रायपुर (छत्तीसगढ़) 492 001

सप्तम प्रश्न पत्र
भाषा विज्ञान एवं हिन्दी भाषा
(पेपर कोड-0319)

प्रस्तावना—

साहित्य आद्यंत एक भाषिक निर्मित है । साहित्य के गंभीर अध्ययन के लिए भाषिक व्यवस्था का सुस्पष्ट सर्वांगिण ज्ञान अपरिहार्य है ।

भाषा विज्ञान भाषा की वस्तुनिष्ठ अध्ययन प्रणाली के रूप में भाषिक इकाईयों तथा भाषा संरचना के विभिन्न स्तरों पर इनके अंतः संबंधों के विन्यास को आलोकित कर न केवल अध्येता को भाषिक अंतर्दृष्टि देता है अपितु भाषा विषयक विवेचन के लिए एक निरूपक भाषा भी प्रदान करता है । मूल भाषा व्यवस्था पर आरोपित द्वितीय साहित्यक व्यवस्था की भाषिक प्रकृति की स्वीकृति प्राचीन भारतीय एवं अधुनातन पाश्चात्य साहित्य चिंतन में समान रूप से लक्षणीय है । कहने की आवश्यकता नहीं कि भाषा के साहित्येत्तर, प्रयोजनमूलक रूपों के अध्ययन में भी भाषा वैज्ञानिक चिंतन का लाभ उतना ही महत्वपूर्ण है ।

भाषा वैज्ञानिक आधार पर हिन्दी भाषा का ऐतिहासिक विकासक्रम, भौगोलिक विस्तार, स्वरूप, विविधरूपता तथा हिन्दी में कम्प्यूटर सुविधाओं विषयक जानकारी एवं देवनागरी के वैशिष्ट्य विकास और मानवीकरण का विवरण हिन्दी के अध्येता के लिए अत्यंत उपयोगी है ।

पाठ्य विषय—

(क) भाषा विज्ञान

1. भाषा और भाषा विज्ञान, भाषा की परिभाषा और अभिलक्षण, भाषा—व्यवस्था और भाषा व्यवहार, भाषा—संरचना और भाषिक—प्रकार्य, भाषा विज्ञान—स्वरूप एवं व्याप्ति, अध्ययन की दिशाएँ—वर्णात्मक, ऐतिहासिक और तुलनात्मक ।
2. स्वनप्रक्रिया—स्वनविज्ञान का स्वरूप और शाखाएँ वागवयव और उनके कार्य, स्वनो का वर्गीकरण, स्वनिक परिवर्तन ।

Aagb
03/12/19
डॉ. अनुसुईया अग्रवाल डी.लिट.
अध्यक्ष
हिन्दी अध्ययन मंडल
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

3. व्याकरण—रूप—प्रक्रिया का स्वरूप और शाखाएँ, रूपिम की अवधारणा और भेद, मुक्त—आबद्ध अर्थदर्शी और संबंधी दर्शी, संबंधदर्शी रूपिम के भेद और प्रकार्य । वाक्य की अवधारणा, वाक्य के भेद, वाक्य विश्लेषण ।
4. अर्थाविज्ञान— अर्थ की अवधारणा, शब्द और अर्थ का संबंध, अर्थ—परिवर्तन ।
5. साहित्य और भाषाविज्ञान—साहित्य के अध्ययन में भाषाविज्ञान के अंगों की उपयोगिता ।

(ख) हिन्दी भाषा

1. हिन्दी की ऐतिहासिक पृष्ठभूमि, प्राचीन भारतीय आर्यभाषाएँ—वैदिक तथा लौकिक संस्कृत और उसकी विशेषताएँ । मध्यकालिन भारतीय आर्यभाषाएँ—पालि, प्राकृत—शौरसेनी, अर्धमागधी, मागधी, अपभ्रंश और उनकी विशेषताएँ । आधुनिक भारतीय आर्यभाषा—समूह और उनका वर्गीकरण ।
2. हिन्दी का भौगोलिक विस्तार, हिन्दी की उपभाषाएँ, पश्चिमी हिन्दी, पूर्वी हिन्दी, राजस्थानी, बिहारी तथा पहाड़ी और उनकी बोलियाँ । खड़ी बोली, ब्रज और अवधी की विशेषताएँ ।
3. हिन्दी का भाषिक स्वरूप—हिन्दी शब्द रचना—उपसर्ग, प्रत्यय, समास । रूपरचना लिंग, वचन और कारक व्यवस्था के संदर्भ में हिन्दी की संज्ञा, सर्वनाम, विशेषण और क्रियारूप । हिन्दी काव्य, रचना—पदक्रम और अन्विति ।
4. हिन्दी के विविध रूप—संपर्क भाषा, राष्ट्रभाषा, राज भाषा के रूप में हिन्दी, माध्यम—भाषा, संचार भाषा, हिन्दी की संवैधानिक स्थिति ।
5. हिन्दी में कम्प्यूटर सुविधाएँ — आंकड़ा—संसाधन और शब्द—संसाधन, वर्तनी—शोधक, मशीनी अनुवाद, हिन्दी भाषा शिक्षण ।
6. देवनागरी लिपि—विशेषताएँ और मानवीकरण ।

इकाई विभाजन—

- इकाई—1 भाषा और विज्ञान, स्वन—प्रक्रिया
 इकाई—2 व्याकरण
 इकाई—3 अर्थ विज्ञान, साहित्य और भाषाविज्ञान ।

इकाई-4 हिन्दी की ऐतिहासिक पृष्ठभूमि, हिन्दी का भौगोलिक विस्तार, हिन्दी का भाषिक स्वरूप ।

इकाई-5 हिन्दी के विविध रूप, देवनागरी लिपि, हिन्दी में कम्प्यूटर की सुविधाएं ।

अंक विभाजन -

भाषा विज्ञान	(2 आलोचनात्मक प्रश्न)	2X15 =	30 अंक
हिन्दी भाषा	(2 आलोचनात्मक प्रश्न)	2X15 =	30 अंक
5 लघुत्तरीय प्रश्न		5X4 =	20 अंक
20 वस्तुनिष्ठ/अति लघुत्तरी प्रश्न		20X1 =	20 अंक
	कुल		100 अंक

संदर्भ ग्रंथ-

1. भारतीय आर्य भाषा और हिन्दी — सुनीति कुमार चटर्जी
2. भारतीय भाषाएँ और भाषा संबंधी समस्याएँ —
3. हिन्दी भाषा का इतिहास — धीरेन्द्र वर्मा
4. नागरी अंक और अक्षर — धीरेन्द्र वर्मा
5. सामान्य भाषा विज्ञान — बाबूराम सक्सेना
6. भाषाविज्ञान और हिन्दी भाषा — भोलानाथ तिवारी
7. हिन्दी भाषाविज्ञान — मनमोहन गौतम (सूर्या प्रकाशन)
8. भाषाविज्ञान के सिद्धांत और हिन्दी भाषा — द्वारिका प्रसाद सक्सेना (भीमर्ष प्रकाशन)
9. भाषाविज्ञान और भाषा — डॉ. कपिलदेव द्विवेदी
10. भाषाविज्ञान — देवेन्द्रनाथ शर्मा
11. भाषा शास्त्र — उदयनारायण तिवारी
12. हिन्दी भाषा और बोलियों का अंतर संबंध — सं.डॉ. सरोज मिश्रा
(शांति प्रकाशन, इलाहाबाद)
13. हिन्दी का नवीनतम बीज-व्याकरण — रमेशचन्द्र मेहरोत्रा एवं चितरंजनकर
14. प्रयोजन मूलक हिन्दी — बालेन्दु शेखर तिवारी
15. हिन्दी भाषा की संरचना के अभ्यास — रवीन्द्रनाथ श्रीवास्तव

अष्टम प्रश्न पत्र
प्रयोजनमूलक हिन्दी
(पेपर कोड- 0320)

प्रस्तावना—

भाषा मानव जीवन की अनिवार्य सामाजिक वस्तु और व्यावहारिक चेतना है । जिसके दो मुख्य आयाम या प्रकार्य हैं । सौन्दर्यपरक और प्रयोजनपूरक भाषा के प्रयोजनपरक आवास का संबंध हमारी सामाजिक आवश्यकताओं और जीवन व्यवहार से है और व्यक्तिपरक होकर भी जो समाज-सापेक्ष सेवा माध्यम (सर्विस-टूल्स) के रूप में प्रयुक्त होती है । उत्तर आधुनिक काल में जीवन और समाज की विभिन्न आवश्यकताओं और दायित्वों की पूर्ति के लिए विभिन्न व्यवहार क्षेत्र में उपयोग की जाने वाली प्रयोजनपरक हिन्दी का अध्ययन अति अपेक्षित है । इसके विविध आयामों से न केवल रोजगार या जीविका की समस्याएं हल होगी अपितु राष्ट्र भाषा तथा राजभाषा का संस्कार भी दृढ़ होगा ।

पाठ्य विषय:—

इकाई-1 खंड-क : कामकाजी हिन्दी

- हिन्दी के विभिन्न रूप-सर्जनात्मक भाषा, संचार-भाषा, राजभाषा, माध्यम-भाषा, मातृभाषा ।
- कार्यालयीन हिन्दी (राजभाषा) के प्रमुख प्रकार्य : प्रारूपण, पत्र लेखन, संक्षेपण, पल्लवन, टिप्पणी ।
- पारिभाषिक शब्दावली- स्वरूप एवं महत्व, पारिभाषिक शब्दावली-निर्माण के सिद्धांत ।
- ज्ञान-विज्ञान के विभिन्न क्षेत्रों की पारिभाषिक शब्दावली (निर्धारित शब्द)

हिन्दी कंप्यूटिंग

- कम्प्यूटर: परिचय, रूपरेखा, उपयोग तथा क्षेत्र वेब-पब्लिशिंग का परिचय ।
- इंटरनेट संपर्क- उपकरणों का परिचय, प्रकार्यात्मक रख-रखाव एवं इंटरनेट समय मितव्ययिता के सूत्र ।
- वेब-पब्लिशिंग
- इंटर एक्सप्लोइट अथवा नेटस्कोप ।

- लिंक, ब्राउजिंग, ई-मेल भेजना/प्राप्त करना, हिन्दी के प्रमुख इंटरनेट पोर्टल, डाउनलोडिंग व अपलोडिंग हिन्दी साफ्टवेयर, पैकेज ।

इकाई-2 खंड – ख- पत्रकारिता : स्वरूप एवं विभिन्न प्रकार ।

हिन्दी पत्रकारिता का संक्षिप्त इतिहास

- समाचार- लेखन – कला
- संपादन के आधार भूत तत्व ।
- व्यवहारिक प्रूफ – शोधन
- शीर्षक की संरचना, लीड, इंट्रो एवं शीर्षक-संपादन, संपादकीय लेखन
- पृष्ठ सज्जा
- साक्षात्कार, पत्रकार-वार्ता एवं प्रेस-प्रबंधन
- प्रमुख प्रेस – कानून एवं आचार-संहिता ।

इकाई 3 खंड- ग: मीडिया – लेखन

- जनसंचार : प्रौद्योगिक एवं चुनौतियाँ
- विभिन्न जनसंचार-माध्यमों का स्वरूप-मुद्रण, श्रव्य, दृश्य-श्रव्य, इंटरनेट ।
- श्रव्य माध्यम (रेडियो)
- मौखिक भाषा की प्रकृति । समाचार लेखन एवं वाचन । रेडियो नाटक । उद्घोषणा लेखन । विज्ञापन लेखन ।
- फीचर एवं रिपोतार्ज ।
- दृश्य – श्रव्य माध्यम (फिलम, टेलीविजन एवं विडियो)
- दृश्य माध्यमों में भाषा की प्रकृति ।
- दृश्य एवं श्रव्य सामाग्री का सामंजस्य । पार्श्व वाचन (वायस ओवर)
- पटकथा लेखन – टेली ड्रामा/डाक्यूमेन्ट्री ड्रामा ।
- संवाद- लेखन । साहित्य की विधाओं का दृश्य माध्यमों में रूपांतरण । विज्ञापन की भाषा ।
- इंटरनेट : सामग्री – सृजन (Content Creation)

इकाई 4 खंड – घ : अनुवाद : सिद्धांत एवं व्यवहार

- अनुवाद का स्वरूप, क्षेत्र प्रक्रिया एवं प्रविधि
- हिन्दी की प्रयोजनीयता में अनुवाद की भूमिका
- कार्यालयीन हिन्दी और अनुवाद
- जन संचार माध्यमों का अनुवाद
- विज्ञापन में अनुवाद
- वैचारिक : साहित्य का अनुवाद
- वाणिज्यिक अनुवाद
- वैज्ञानिक, तकनीकी तथा प्रौद्योगिकी क्षेत्रों में अनुवाद
- विधि-साहित्य की हिन्दी और अनुवाद, व्यवहारिक अनुवाद अभ्यास ।

कार्यालयी अनुवाद : कार्यालयीन एवं प्रशासनिक शब्दावली, प्रशासनिक प्रयुक्तियों, पदनाम, विभाग आदि

- पत्रों के अनुवाद
- पदनामों, अनुभागों, दस्तावेजों, प्रतिवेदनों के अनुवाद
- बैंक – साहित्य के अनुवाद का अभ्यास
- विधि – साहित्य के अनुवाद का अभ्यास
- साहित्यिक – अनुवाद के सिद्धांत एवं व्यवहार : कविता, कहानी नाटक ।
- सारानुवाद
- दुभाषिया प्रविधि
- अनुवाद पुनरीक्षण एवं मूल्यांकन

इकाई विभाजन

इकाई-1-क- कामकाजी हिन्दी व हिन्दी कम्प्यूटिंग

इकाई-2-ख- पत्रकारिता

इकाई-3-ग- मीडिया लेखन

इकाई-4- अनुवाद

इकाई-5-लघुत्तरीय प्रश्न

अंक विभाजन

15 अंक

15 अंक

15 अंक

15 अंक

5X4 = 20 अंक

इकाई-6- 20 वस्तुनिष्ठ प्रश्न/अतिलघुत्तरीय प्रश्न 20X1 = 20 अंक

संदर्भ ग्रन्थ -

1. प्रयोजनात्मक हिन्दी - प्रो. सूर्यप्रसाद दीक्षित एवं सिंह (सुलभ प्रकाशन)
2. वाणिज्यिक हिन्दी - आर.बी.नारायण (ज्ञानोदय प्रकाशन)
3. व्यावहारिक हिन्दी - एन.डी.पालीवाल (मानीषा प्रकाशन, दिल्ली)
4. प्रशासनिक हिन्दी - पुष्पा कुमारी (क्लासिकल पब्लिक कम्पनी)
5. अच्छी हिन्दी - रामचन्द्र वर्मा
6. जनसंचार माध्यमों में हिन्दी - डॉ. चन्द्रकुमार (क्लासिकल पब्लिक कंपनी)
7. बैंकिंग हिन्दी पत्राचार, स्वरूप एवं सम्प्रेषण - डॉ. निश्चल एवं सिंह (किताब घर, नई दिल्ली)
8. पत्रकारिता के छः दशक - जगदीश प्रसाद चतुर्वेदी (साहित्य संगम, इलाहाबाद)
9. हिन्दी पत्रकारिता का वृहद इतिहास - अर्जुन तिवारी (वाणी प्रकाशन)
10. पत्रिका संपादन कला - डॉ. रामचन्द्र तिवारी (आलेख प्रकाशन)
11. हिन्दी पत्रकारिता - कृष्ण बिहारी मिश्र (भारतीय ज्ञानपीठ प्रकाशन)
12. भारतीय समाचार पत्रों का संगठन और प्रबन्ध - डॉ. सुकमाल जैन, म.प्र.हि.ग्र.अ.
13. जनमाध्यम और पत्रकारिता - प्रवीण दीक्षित (सहयोगी साहित्य संस्थान)
14. पत्रकारिता का इतिहास एवं जनसंचार माध्यम - डॉ. संजीव भानानत (यू.प्र. रायपुर)
15. वृहद् हिन्दी पत्र-पत्रिका कोश - सूर्य प्रसाद दीक्षित
16. पत्रकारिता संदर्भ कोश - डॉ. सुधीन्द्र, डॉ. रामप्रकाश (वाणी प्रकाशन)
17. पत्रकारिता के विविध आयाम - वेद प्रताप वैदिक
18. जनमाध्यम और पत्रकारिता - डॉ. प्रवीण दीक्षित (सहयोगी साहित्य संस्थान)
19. कम्प्यूटर अध्ययन : एक परिचय - नरेन्द्र सिंह पटेल (शताक्षी प्रकाशन, चौबे कालोनी, रायपुर)
20. इंटरनेट : एक जानकारी - एस.मक्कड़ (शताक्षी प्रकाशन, चौबे कालोनी, रायपुर)
21. दूरदर्शन: हिन्दी के प्रयोजनमूलक विविध प्रयोग - डॉ. कृष्ण कुमार रत्नू (मीनाक्षी प्रकाशन, जयपुर)
22. कम्प्यूटर के भाषिक अनुप्रयोग - विजय मल्होत्रा (वाणी प्रकाशन)
23. कम्प्यूटर एप्लीकेशन - गौरव अग्रवाल (शिवा प्रकाशन)
24. कम्प्यूटर क्या, क्यों और कैसे - रामबंशल विश्वविद्याचार्य (वाणी प्रकाशन)
25. अनुवाद के सिद्धांत - सुरेश कुमार
26. अनुवाद सिद्धांत की रूपरेखा - सुरेश कुमार
27. अनुवाद बोध - डॉ. गार्गीगुप्त (भारतीय अनुवाद परिषद, दिल्ली)

- | | |
|------------------------------------|--|
| 28. साहित्यानुवाद – | संवाद और संवेदना – डॉ. आरसू (वाणी प्रकाशन) |
| 29. हिन्दी में व्यावहारिक अनुवाद – | आलोक रस्तोगी (सुमीत प्रकाशन) |
| 30. प्रयोजनमूलक हिन्दी – | (स.) डॉ. चितरंजन कर एवं डॉ. सुधीर शर्मा |

नवम् प्रश्न पत्र
भारतीय साहित्य
(पेपर कोड- 0321)

प्रस्तावना –

भारतीय भाषाओं में हिन्दी भाषा और साहित्य का स्थान अन्य प्रांतीय भाषाओं की तुलना में अपेक्षाकृत अधिक महत्वपूर्ण है, इसलिए हिन्दी साहित्याध्ययन को अधिकाधिक गंभीर तथा प्रशस्त बनाना अत्यंत आवश्यक है । एक समेकित भारतीय साहित्य की रूपरचना के लिए हिन्दी का भारतीय संदर्भ सर्वथा प्रासंगिक है । इस दृष्टि से हिन्दी के स्नातकोत्तर विद्यार्थियों के लिए भारतीय भाषाओं के साहित्य का ज्ञान अनिवार्य है । तभी उनके ज्ञान क्षितिज एवं सांस्कृतिक दृष्टि का विकास होगा । यही नहीं, इससे हिन्दी अध्ययन का अंतरंग विस्तार भी होगा । इस प्रश्नपत्र के चार खंड होंगे । प्रत्येक खंड से एक-एक प्रश्न का उत्तर देना अनिवार्य होगा ।

पाठ्यविषय–

प्रथम खंड –

1. भारतीय साहित्य का स्वरूप
2. भारतीय साहित्य के अध्ययन की समस्याएँ
3. भारतीय साहित्य में आज के भारत का बिंब
4. भारतीयता का समाज शास्त्र
5. हिन्दी साहित्य में भारतीय मूल्यों की अभिव्यक्ति ।

द्वितीय खंड

इसके अंतर्गत हिन्दीतर साहित्य का अध्ययन अपेक्षित है, जो तीन वर्गों में विभाजित है–

1. दाक्षिणात्य भाषा वर्ग में मलयालम
2. पूर्वांचल भाषा वर्ग में बंगला
3. पश्चिमोत्तर भाषा वर्ग में मराठी

निर्देश–

1. प्रत्येक विद्यार्थी इन तीन विकल्पों में से एक भाषा का चयन करेगा, बशर्ते वह भाषा उसकी अपनी क्षेत्रीय भाषा से भिन्न भाषा वाले वर्ग से संबंधित हो ।
2. विद्यार्थी एक भाषा-वर्ग (मलयालम/बंगाली/मराठी) में से किसी एक के साहित्य के इतिहास का अध्ययन करेगा ।

AA/20
03/12/19

डॉ. अनुसुईया अग्रवाल डी.लिट्.

अध्यक्ष

हिन्दी अध्ययन मंडल

पं. रविशंकर शुक्ल विश्वविद्यालय

रायपुर (छत्तीसगढ़) 492 001

तृतीय खंड -

इस खंड के अंतर्गत तुलनात्मक अध्ययन अपेक्षित है । इसमें द्वितीय खंड में निर्धारित किसी एक हिन्दीतर भाषा साहित्य के साथ हिन्दी को जोड़कर अध्ययन करना होगा ।

चतुर्थ खंड-

इसके अंतर्गत एक उपन्यास, एक कविता संग्रह, एक नाटक का आलोचनात्मक अध्ययन किया जायेगा । प्रश्न आलोचनात्मक पूछे जाएँगे । तीनों विधाओं पर एक-एक प्रश्न पूछे जाएँगे । तीनों प्रश्नों के समान रूप से 5-5 अंक रखे जाएँगे ।

उपन्यास अग्निगर्भ (बंगला महश्वेता देवी)

कविता संग्रह कोच्चि के दरख्त (मलयालम के.जी.शंकरपिल्लै)

नाटक हयवदन (गिरीश कर्नाड)

इकाई-विभाजन	अंक विभाजन
इकाई-1 खंड एक	15 अंक
इकाई-2 खंड दो	15 अंक
इकाई-3 खंड तीन	15 अंक
इकाई-4 खंड चार	15 अंक
इकाई-5 लघुत्तरीय प्रश्न (5X4)	20 अंक
इकाई-6 वस्तुनिष्ठ प्रश्न/अति लघुत्तरीय प्रश्न (20X1)	20 अंक

पाठ्य पुस्तक-

उपन्यास-1 अग्नि गर्भ (बंगला) - महाश्वेता देवी (प्रकाशक- किताब क्लब, राधाकृष्ण प्रकाशन)

कविता 2. कोच्चि के दरख्त (मलयालम) के.जी. शंकरपिल्लै (प्रकाशक वाणी प्रकाशन, 21 ए, नई दिल्ली दरियागंज) ।

नाटक 3. हयवदन (कन्नड़) गिरीश कर्नाड (प्रकाशक, राधाकृष्ण प्रकाशन, 2/38 अंसारी मार्ग, दरियागंज नई दिल्ली, 110002)

संदर्भ एवं सूची:-

1. इक्कीस बंगला कहानियाँ- नेशनल बुक ट्रस्ट, इंडिया ए-5, ग्रीन पार्क, नई दिल्ली, 110016,
2. समसामयिक हिन्दी कहानियाँ - डॉ. धनंजय वर्मा ।
3. मलयालम साहित्य - परख और पहचान, प्रो. आर. सुरेन्द्रन, हिन्दी विभाग, कालीकट, वि. वि. केरल ।
4. राष्ट्रीय चेतना और मलयालम साहित्य प्रो. आर. सुरेन्द्रन, हिन्दी विभाग, कालीकट वि.वि. केरल

5. मराठी भाषा और साहित्य – राज मल बोरा, प्रकाशक नेशनल पब्लिशिंग हाऊस, 2/35 अंसारी रोड, दरियागंज नई दिल्ली 110002 ।
6. मलयालम साहित्यकारों से साक्षात्कार – प्रो. आर.सुरेन्द्रन, हिन्दी विभाग, कालीकट वि.वि., केरल ।
7. बंगला भाषा और साहित्य का इतिहास – भारतीय भाषा संस्थान, इलाहाबाद ।
8. भारतीय साहित्य कोश – सं. डॉ. नगेन्द्र, नेशनल पब्लिशिंग हाऊस, नई दिल्ली ।
9. भारतीय साहित्य – सं. डॉ. नगेन्द्र नेशनल पब्लिशिंग हाऊस, नई दिल्ली ।
10. भारतीय साहित्य एनमाला सं. कृष्णदयाल भार्गव, वैज्ञानिक तथा तकनीकी शब्दावली आयोग, शिक्षा तथा युवक सेवा मंत्रालय भारत सरकार, नई दिल्ली ।
11. भारतीय साहित्य के इतिहास की समस्याएँ – डॉ. रामविलास शर्मा ।
12. भारतीय भाषाओं के साहित्य का इतिहास– केन्द्रीय हिन्दी निदेशालय, दिल्ली ।
13. भारतीय साहित्य अवधारणा समन्वय एवं सादृश्यता– जगदीश गुप्त (संघवी प्रकाशन)

पत्रिकाएँ–

1. सद्भावना दर्पण– सं. गिरीश पंकज, रायपुर
2. छत्तीसगढ़ टुडे, रायपुर
3. अक्षर पर्व– देशबंधु प्रकाशन, रायपुर
4. राष्ट्र सेतु – रायपुर

दशम प्रश्न पत्र पत्रकारिता–प्रशिक्षण (पेपर कोड– 0322)

प्रस्तावना–

पत्रकारिता आज जीवन–समाज की धड़कन बन गई है । सिमटते विश्व में स्नायु–तंतुओं के समान काम कर रही है । समाचार पत्र से लेकर साप्ताहिक, पाक्षिक, त्रैमासिक, वार्षिक पत्रिकाओं, प्रिंट मीडिया, इलेक्ट्रॉनिक, इंटरनेट आदि में इसका विकसित रूप देखा जा सकता है । इसके बिना आज आदमी का रहना कठिन है । सात्यों के साथ–साथ रोजगारपारकता की आकांक्षा की पूर्ति भी इससे होती है । पुनर्जागरण, स्वतंत्रता, समता, बंधुत्व नारी तथा दलित जागरण में इसकी क्रांतिकारी भूमिका रही है । अतः इसका अध्ययन आज की अनिवार्यता बन जाती है ।

पाठ्यविषयः–

1. पत्रकारिता का स्वरूप और प्रमुख प्रकार ।
2. विश्व पत्रकारिता का उदय, भारत में पत्रकारिता का आरंभ ।
3. हिन्दी पत्रकारिता का उद्भव और विकास ।
4. समाचार पत्रकारिता के मूल तत्व– समाचार संकलन तथा लेखन के मुख्य आयाम ।

5. संपादन कला के सामान्य सिद्धांत— शीर्षकीकरण, पृष्ठ-विन्यास, आमुख और समाचार पत्र की प्रस्तुति प्रक्रिया ।
6. समाचार पत्रों के विभिन्न स्तंभों की योजना ।
7. दृश्य सामग्री (कार्टून, रेखाचित्र, ग्राफिक्स) की व्यवस्था और फोटो पत्रकारिता ।
8. समाचार के विभिन्न स्रोत ।
9. संवाददाता की अर्हता, श्रेणी एवं कार्यपद्धति ।
10. पत्रकारिता से संबंधित लेखन— संपादकीय, फीचर, रिपोतार्ज, साक्षात्कार, खोजी समाचार, अनुवर्तन (फालोअप) आदि की प्रविधि ।
11. इलेक्ट्रॉनिक मिडिया की पत्रकारिता — रेडियो, टी.वी. वीडियो, केबल, मल्टी मीडिया और इंटरनेट की पत्रकारिता ।
12. प्रिंट पत्रकारिता और मुद्रणकला, प्रूफ शोधन, ले आउट तथा पृष्ठ सज्जा ।
13. पत्रकारिता का प्रबंधन प्रशासनिक व्यवस्था, बिक्री तथा विवरण व्यवस्था ।
14. भारतीय संविधान, सूचनाधिकारी एवं मानवाधिकार ।
15. मुक्त प्रेस की अवधारणा ।
16. लोक-संपर्क तथा विज्ञापन ।
17. प्रसारभारती तथा सूचना प्रौद्योगिकी ।
18. प्रेस-संबंधी प्रमुख कानून तथा आचार-संहिता ।
19. प्रजातांत्रिक व्यवस्था में चतुर्थ स्तंभ के रूप में पत्रकारिता का दायित्व ।

इकाई—विभाजन

इकाई—विभाजन	अंक विभाजन
इकाई—1 5 तक	15 अंक
इकाई—2 6 से 10 तक	15 अंक
इकाई—3 11 से 15 तक	15 अंक
इकाई—4 16 से 19 तक	15 अंक
इकाई—5 5 लघुत्तरीय प्रश्न	5X4 20 अंक
इकाई—6 20 वस्तुनिष्ठ प्रश्न/अति लघुत्तरीय प्रश्न	20X1 20 अंक
	कुल 100 अंक

संदर्भ—सूची

1. पत्रकारिता के छह दशक — जगदीश प्रसाद चतुर्वेदी, साहित्य संगम इलाहाबाद
2. पत्रिका संपादन कला — डॉ. रामचंद्र तिवारी, आलेख प्रकाशन ।
3. समाचार पत्र, मुद्रण और साज-सज्जा — श्याम सुंदर शर्मा, म.प्र.हि.ग्रंथ अका. ।
4. हिन्दी पत्रकारिता का वृहद् इतिहास — अर्जुन तिवारी, वाणी प्रकाशन ।
5. समाचार पत्र/व्यवस्थापन — अनंत गोपाल शेवड़े, म.प्र.हि.ग्रंथ अका.
6. भाषायी पत्रकारिता और जनसंचार — डॉ. विष्णु पंकज, विवेक पब्लि. रायपुर
7. हिन्दी पत्रकारिता — कृष्ण बिहारी मिश्र, भारतीय ज्ञानपीठ प्रकाशन ।
8. पत्रकारिता का परिपेक्ष्य — जगदीश प्रसाद चतुर्वेदी, साहित्य संगम ।
9. हिन्दी पत्रकारिता के गौरव — बांके बिहारी भटनागर, हरिवंश राय बच्चन,

आत्माराम एंड सन्स, दिल्ली ।

10. भारतीय समाचार पत्रों का संगठन और प्रबंधन — डॉ. सुकमाल जैन
11. जनमाध्यम और पत्रकारिता — प्रवीण दीक्षित, सहयोगी साहित्य संस्थान ।
12. हिन्दी पत्रकारिता, राष्ट्रीय नव उद्बोधन — डॉ. श्री पाल शर्मा, युनि.प्रका. जयपुर
13. पत्रकारिता का इतिहास एवं जनसंचार माध्यम— डॉ. संजीव भनावत, युनि. प्रका. जयपुर
14. पत्रकारिता एवं प्रेस विधि — डॉ. बसंती लाल बाबे, सुविधा सा.हा. भोपाल
15. संपादन कला — डॉ. संजीव भनावत, युनि.प्रका.जयपुर ।
16. हिन्दी पत्रकारिता और जन संचार — डॉ. ठाकुर दत्त शर्मा, आलोक वाणी प्रकाशन ।
17. पत्रकारिता इतिहास और प्रश्न — कृष्ण बिहारी मिश्र, वाणी प्रकाशन ।
18. वृहद हिन्दी पत्र पत्रिका कोश — सूर्यप्रसाद दीक्षित, वाणी प्रकाशन ।
19. हिन्दी पत्रकारिता स्वरूप और संदर्भ — विनोद गोदरे, वाणी प्रकाशन ।
20. पत्रकारिता संदर्भ कोश — डॉ. सुधीन्द्र, डॉ. रामप्रकाश वाणी प्रकाशन ।
21. पत्रकारिता के विविध आयाम वेदप्रताप वैदिक
22. पत्रकारिता के विविध आयाम — वेदप्रताप वैदिक
23. जन माध्यम और पत्रकारिता — डॉ. पी.दीक्षित
24. छत्तीसगढ़ के पंच रत्न — रमेश नायर (शताक्षी प्रकाशन, चौबे कालोनी, रायपुर)
25. छत्तीसगढ़ के नव रत्न — रमेश नायर (शताक्षी प्रकाशन, चौबे कालोनी, रायपुर)
26. छत्तीसगढ़ के युग पुरुष : माधव राव सप्रे रमेश नैय्यर (शताक्षी प्रकाशन, चौबे कालोनी, रायपुर)
27. छत्तीसगढ़ के युगपुरुष : पं. सुंदरलाल शर्मा — रमेश नैय्यर (शताक्षी प्रकाशन, चौबे कालोनी, रायपुर)

Aab
03/12/19
ऑ. अनुसुईया अग्रवाल डी.लिट.
अध्यक्ष
हिन्दी अध्ययन मंडल
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

एम. ए. (छत्तीसगढ़ी)

Semester wise distribution of Courses and Credits

2019-'20

1. M. A. I Semester Chhattisgarhi

Course Code	Title of Paper	Marks		Credits
		Theory	Internal	
01.	छत्तीसगढ़ी के भौगोलिक अउ ऐतिहासिक पृष्ठभूमि	80	20	05
02.	छत्तीसगढ़ी के ध्वनि-संरचना	80	20	05
03.	छत्तीसगढ़ी के व्याकरण	80	20	05
04.	छत्तीसगढ़ी साहित्य के इतिहास	80	20	05
05.	संगोष्ठी / आंतरिक मूल्यांकन			02
	Total			22

2. M. A. II Semester Chhattisgarhi

Course Code	Title of Paper	Marks		Credits
		Theory	Internal	
01.	छत्तीसगढ़ी के लोक-कला अउ संस्कृति	80	20	05
02.	छत्तीसगढ़ी लोक साहित्य	80	20	05
03.	छत्तीसगढ़ी-काव्य	80	20	05
04.	छत्तीसगढ़ी अर्थ-मीमांसा	80	20	05
05.	संगोष्ठी / आंतरिक मूल्यांकन			02
	Total			22

3. M. A. III Semester Chhattisgarhi

Course Code	Title of Paper	Marks		Credits
		Theory	Internal	
01.	छत्तीसगढ़ी के शब्द-संरचना	80	20	05
02.	छत्तीसगढ़ी के भाषा-भूगोल	80	20	05
03.	प्रयोजन मूलक छत्तीसगढ़ी	80	20	05
04.	राजभाषा छत्तीसगढ़ी	80	20	05
05.	संगोष्ठी / आंतरिक मूल्यांकन			02
	Total			22

4. M. A. IV Semester Chhattisgarhi

Course Code	Title of Paper	Marks		Credits
		Theory	Internal	
01.	छत्तीसगढ़ी के वाक्य-संरचना	80	20	05
02.	छत्तीसगढ़ी अउ अनुवाद	80	20	05
03.	छत्तीसगढ़ी के तीज तिहार अउ परंपरा	80	20	05
04.	प्रायोगिक प्रशिक्षण अउ आंतरिक-मूल्यांकन	80	20	05
05.	संगोष्ठी / आंतरिक मूल्यांकन			02
	Total			22

Signature

Shail Shukla
HEAD 28/8/19

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पहला प्रश्न-पत्र

छत्तीसगढ़ी के भौगोलिक, ऐतिहासिक, अउ भाषिक पृष्ठभूमि

1. छत्तीसगढ़ के भौगोलिक संरचना, इतिहास, नामकरण
2. छत्तीसगढ़ी के उत्पत्ति अउ विकास, संस्कृत, प्राकृत, अपभ्रंश, छत्तीसगढ़ी
3. छत्तीसगढ़ म उपलब्ध भाषा-परिवार — भारतीय आर्य, द्रविड़, आग्नेय,

तिब्बती-चीनी

4. छत्तीसगढ़ी के अन्य भाषा मन ले संबंध — छत्तीसगढ़ी-ओड़िया, छत्तीसगढ़ी-मराठी, छत्तीसगढ़ी-हिंदी, छत्तीसगढ़ी-हलबी / भतरी / मुरिया
5. छत्तीसगढ़ी म अन्य भाषा के आगत-शब्द— हिंदी, ओड़िया, मराठी, अँगरेजी,

अरबी-फारसी अन्य

निर्धारित पुस्तक सूची :

1. व्यास नारायण दुबे : छत्तीसगढ़ी जनभाषा
2. कांति कुमार : छत्तीसगढ़ी बोली व्याकरण और कोश
3. भालचंद्र राव तैलंग : छत्तीसगढ़ी, हलबी और भतरी बोलियों का भाषा

वैज्ञानिक अध्ययन

4. नरेन्द्र देव वर्मा : छत्तीसगढ़ी का उद्विकास
5. हीरालाल शुक्ल : छत्तीसगढ़ ज्ञानकोश
6. चित्तरंजन कर : छत्तीसगढ़ की भाषाएँ

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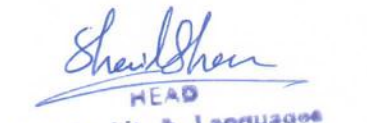
दूसरा प्रश्न पत्र

छत्तीसगढ़ी के ध्वनि-संरचना

1. छत्तीसगढ़ी ध्वनि-स्वर, व्यंजन, संध्यक्षर, स्वर-संयोग, संयुक्त व्यंजन
2. छत्तीसगढ़ी स्वर के वर्गीकरण
3. छत्तीसगढ़ी व्यंजन के वर्गीकरण
4. छत्तीसगढ़ी के ध्वनिगुण-मात्रा, बलाघात, अनुतान
5. अंतरराष्ट्रीय ध्वनिलिपि माला के परिचय अउ ओकर प्रयोग

निर्धारित पुस्तक सूची :

1. गोलोक बिहारी धल : ध्वनि-विज्ञान
2. शंकर शेष : छत्तीसगढ़ी का भाषाशास्त्री अध्ययन
3. हीरालाल काव्योपाध्याय : ए ग्रामर आफ छत्तीसगढ़ी डायलेक्ट
4. नरेंद्र देव वर्मा : छत्तीसगढ़ी भाषा का उद्विकास
5. कौस्तुभ मणि द्विवेदी : सुघड़ छत्तीसगढ़ी भाषा



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छत्तीसगढ़ी के व्याकरण

1. छत्तीसगढ़ी के शब्द-भेद – संज्ञा, सर्वनाम, विशेषण, क्रिया, अव्यय,
(क्रियाविशेषण, समुच्चयबोधक, संबंधसूचक,
विस्मयादिबोधक)
2. व्याकरणिक कोटि— पुरुष, लिंग, वचन, कारक काल, पक्ष, वाच्य, अउ वृत्ति
3. विभक्ति अउ कारक रचना – कर्ता, कर्म, करण, आदि
4. वाक्य-संरचना – मूल वाक्य- साँचा—
 1. संरचना के आधार पर – सरल, संयुक्त, मिश्र, अपूर्ण, निविष्ट
 2. अर्थ के आधार पर – निश्चयात्मक, निषेधात्मक, प्रश्नात्मक, संभावनात्मक, आज्ञासूचक, आश्चर्यबोधक आदि।
5. वाक्य-रचना के अशुद्धि – वर्तनी-संबंधी, शब्द-संबंधी, व्याकरण-संबंधी

निर्धारित पुस्तक सूची :-

1. चंद्रकुमार चंद्राकर : मानक छत्तीसगढ़ी व्याकरण
2. रमेशचंद्र महरोत्रा एवं अन्य : मानक छत्तीसगढ़ी का सुलभ व्याकरण
3. कांति कुमार : छत्तीसगढ़ी बोली व्याकरण और कोश
4. नरेन्द्र देव वर्मा : छत्तीसगढ़ी भाषा का उद्विकास
5. चितरंजन कर : छत्तीसगढ़ी की व्याकरणिक-कोटियाँ
6. रमेन्द्रनाथ मिश्र (सं) : छत्तीसगढ़ी व्याकरण (छत्तीसगढ़, राज्य हिंदी ग्रंथ अकादमी)
7. विनय कुमार पाठक एवं विनोद कुमार वर्मा : छत्तीसगढ़ी का सम्पूर्ण व्याकरण



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चौथा प्रश्न पत्र

छत्तीसगढ़ी साहित्य के इतिहास

1. आदिकालीन काव्य — प्रेम प्रधान गाथाएँ, धार्मिक अउ पौराणिक गाथाएँ
(गाथा युग) राम और कृष्ण काव्य, वीर गाथा — अहिरन रानी,
रेवा रानी फुलबासन, आदि
2. मध्यकालीन काव्य — वीरगाथाएँ, धार्मिक अउ सामाजिक गीत
सुंदर लाल शर्मा — दानलीला
मुकुटधर पांडे — मेघदूत
3. आधुनिक युग (प्रारंभिक काल) : पद्य साहित्यकार— मुकुटधर पाण्डेय,
सुंदर लाल शर्मा, हरि ठाकुर, दानेश्वर शर्मा, द्वारिका प्रसाद तिवारी,
कोदूराम दलित, पवन दीवान, श्यामलाल चतुर्वेदी,
4. आधुनिक युग के गद्य साहित्यकार — मोंगरा (शिवशंकर), चंदा अमारित
बरसाइस (लखन लाल गुप्त), कुल के मरजाद (केयूरभूषण), परदेसी राम
वर्मा (आवा)

कहानी — केयूर भूषण(आँसू म फिले अचरा), बिहारी लाल साहू
(सुरुज पोटारिस आँधियार), सत्यभामा आडिल
(सीख-सीख के गोठ)

5. नाटक — खूबचंद बघेल (करमछड़हा), नंदकिशोर तिवारी (परमा)
निबंध — लखन लाल गुप्त (सोन-पान)

निर्धारित पुस्तक सूची :-

1. शंकुतला वर्मा : छत्तीसगढ़ी लोक-जीवन और लोक-साहित्य का
अध्ययन
2. दयाशंकर शुक्ल : छत्तीसगढ़ी लोक-साहित्य का अध्ययन
3. प्यारेलाल गुप्त : प्राचीन छत्तीसगढ़
4. नंदकिशोर तिवारी : छत्तीसगढ़ी साहित्य का ऐतिहासिक अध्ययन
5. बिहारी लाल साहू : छत्तीसगढ़ी साहित्य और भाषा
6. ऋषिराज पाण्डेय : पं. सुंदरलाल शर्मा व्यक्तित्व एवं कृतित्व



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पाँचवा प्रश्न-पत्र


छत्तीसगढ़ी लोक कला अउ संस्कृति

1. छत्तीसगढ़ी लोककला : उद्भव अउ विकास; लोककला अउ कलाकार
(रामचंद्र देशमुख, महासिंह चंद्राकर, दुलार सिंह,)
2. छत्तीसगढ़ के जनजातीय संस्कृति (सरहुल, करमा, मुड़िया नृत्य, माड़िया नृत्य, गोंडी, हलबी, दोरला के संदर्भ म)
3. छत्तीसगढ़ के लोकनाट्य – गम्मत, रहस, नाचा के परिचय
4. लोककला (लोकगाथा) – पंडवानी, भरथरी(झाड़ूराम देवांगन, देवदास बंजारे, तीजनबाई, सूरजबाई खांडे आदि)
5. राउतनाचा, सुआ नृत्य, चंदैनी, ददरिया, पंथीनृत्य, करमा, लोकनृत्य के संक्षिप्त परिचय

निर्धारित पुस्तक सूची :-

1. बिहारी लाल साहू : छत्तीसगढ़ी लोक साहित्य एवं भाषा
2. नंदकिशोर तिवारी : छत्तीसगढ़ी साहित्य का ऐतिहासिक अध्ययन
3. शंकुतला वर्मा : छत्तीसगढ़ी लोक-जीवन और लोक-साहित्य का अध्ययन
4. दयाशंकर शुक्ल : छत्तीसगढ़ी लोक-साहित्य का अध्ययन
5. बलदेव प्रसाद मिश्र : छत्तीसगढ़ परिचय
6. प्यारे लाल गुप्त : प्राचीन छत्तीसगढ़
7. महावीर अग्रवाल (संपादक) : हमर छत्तीसगढ़




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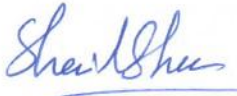
छठवाँ प्रश्न-पत्र

छत्तीसगढ़ी लोक साहित्य

1. लोक साहित्य— अर्थ, प्रकृति, व्याप्ति
2. गाथा—साहित्य
3. पर्व त्यौहार— हरेली, राखी, पोला—तीजा, नवरात्री, दशहरा, देवार, देवउठनी, अकती आदि
4. संस्कार—गीत, जातीय गीत, नारी गीत
5. खेल गीत, बालगीत
6. लोकोक्ति—पहेली (हाना, बुझौवल), मुहावरा, पहेली

निर्धारित पुस्तक सूची :

1. दयाशंकर शुक्ल : छत्तीसगढ़ी लोकसाहित्य का अध्ययन
2. नारायण लाल परमार : छत्तीसगढ़ी लोकसाहित्य
3. मन्नू लाल यदु : छत्तीसगढ़ लोकोक्तियाँ


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सातवाँ प्रश्नपत्र

छत्तीसगढ़ी काव्य

1. आधुनिक काव्य – प्यारेलाल गुप्त, हरि ठाकुर, नारायण लाल परमार, नरेन्द्र देव वर्मा
2. नवगीतकार एवं उनकी रचना – जीवन यदु, लक्ष्मण मस्तुरिया, पवन दीवान, लाला जगदलपुरी, प्रभंजन शास्त्री, पालेश्वर शर्मा
3. छत्तीसगढ़ी गजल – मुकुन्द कौशल (छत्तीसगढ़ी गजल)
4. छत्तीसगढ़ी हाइकू – राजेंद्र सोनी, नरेंद्र वर्मा
5. समकालीन कविता – भगतसिंह सोनी, नंदकिशोर तिवारी, देवदास महंत

निर्धारित पुस्तक सूची :

1. डॉ. बलदेव (संपादक) : छत्तीसगढ़ी कविता के सौ साल
2. महावीर अग्रवाल (संपादक) : हमर छत्तीसगढ़
3. डॉ. चितरंजन कर (संपादक) : छत्तीसगढ़ी गजल और मुकुन्द कौशल
4. मदनलाल गुप्त छत्तीसगढ़ की संस्कृति एवं लोक आयाम के विभिन्न स्वरूप

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छत्तीसगढ़ी अर्थ मीमांसा

1. अर्थ— प्रकृति, व्याप्ति
2. अर्थ—प्रकार — एकार्थी, अनेकार्थी, पर्याय, समनामता,
3. अर्थ निर्धारण— एकार्थी अनेकार्थी
4. अर्थ—परिवर्तन के कारक तत्व व दिशाएँ
5. संकेत—व्यवस्था — वाचिक, सात्विक, आंगिक, आहार्य

निर्धारित पुस्तक सूची :

1. रमेशचंद्र महरोत्रा एवं अन्य : छत्तीसगढ़ी शब्दकोश
2. चंद्रकुमार चंद्राकर : मानक छत्तीसगढ़ी व्याकरण




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एम. ए. (छत्तीसगढ़ी) : तीसरा सेमेस्टर 2019-'20

नउवाँ प्रश्न पत्र

छत्तीसगढ़ी के शब्द-संरचना

1. शब्द-संपदा — तत्सम, तद्भव, देशज अउ विदेशी शब्द
2. शब्द-संरचना — व्युत्पादक प्रत्यय, तद्धित, समास, संधि
3. रूप-संरचना — रूपसाधन— संज्ञा, सर्वनाम, क्रिया
4. विशेषण से संज्ञा बनाना, क्रिया से संज्ञा अउ विशेषण बनाना, संज्ञा से क्रिया विशेषण बनाना
5. अनेक शब्द — एक शब्द, समूहवाची शब्द

निर्धारित पुस्तक सूची :-

1. नरेन्द्र देव वर्मा : छत्तीसगढ़ी भाषा का उद्विकास



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B.A. in Lit. & Languages
Ravishankar Shukla University
Raipur (C. G.)

दसवाँ प्रश्न—पत्र

छत्तीसगढ़ी के भाषा—भूगोल

1. छत्तीसगढ़ी के भौगोलिक विस्तार, भाषिक परिपार्श्व
2. छत्तीसगढ़ी में विभिन्न भाषामय के प्रयोग, अउ क्षेत्र, भाषा प्रयोग में शैली—भेद अउ सांस्कृतिक—भेद।
3. छत्तीसगढ़ी के क्षेत्रीय रूप— उत्तरी, पूर्वी, केंद्रीय, दक्षिणी, पश्चिमी
4. छत्तीसगढ़ी भाषा के सामाजिक संदर्भ — द्विभाषिकता, पिजिन, क्रियोल, डिग्लोसिया (भाषा द्वैत), कोड़ मिश्रण अउ कोड़ परिवर्तन।
5. छत्तीसगढ़ी भाषा के भेदक रूप के व्यवहार अउ मानचित्र

निर्धारित पुस्तक सूची :—

1. कैलाश चंद्र भाटिया : भाषा—भूगोल
2. मुरारी लाल उप्रेती : भाषा—सर्वेक्षण
3. उदय नारायण तिवारी : भाषा—शास्त्र की रूपरेखा
4. व्यास नारायण दुबे : छत्तीसगढ़ी जनभाषा
5. रवीन्द्रनाथ श्रीवास्तव : हिंदी का सामाजिक सन्दर्भ



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Dr. Ravi Shankar Shukla University
Raipur (C. G.)

ग्यारवाँ प्रश्न पत्र

प्रायोजन मूलक छत्तीसगढ़ी

1. छत्तीसगढ़ी के विविध रूप — क्षेत्रीय छत्तीसगढ़ी, साहित्यिक छत्तीसगढ़ी, सामान्य छत्तीसगढ़ी, मानक छत्तीसगढ़ी, राजभाषा छत्तीसगढ़ी
2. बोलचाल के छत्तीसगढ़ी— अभिवादन, शिष्टाचार, समय, स्थान, व्यवसाय, बाजार
3. जनसंचार के भाषा — समाचार-पत्र अउ पत्रिका के भाषा, आकाशवाणी टीवी चैनल, फिल्म, विज्ञापन
4. रिश्ते-नाते, संबोधन, रंग-शब्दावली
5. विभिन्न पारिभाषिक शब्दावली, अनुवाद एवं निर्माण अउ विभिन्न विभागों की विशिष्ट पारिभाषिक शब्दावली—रेल, बैंक, डाकविभाग, पुलिस, न्यायालय, मंत्रालय आदि।

निर्धारित पुस्तक सूची :

1. चित्तरंजन कर एवं सुधीर शर्मा — बोलचाल की छत्तीसगढ़ी



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बारवाँ प्रश्न—पत्र

राजभाषा छत्तीसगढ़ी

1. राजभाषा छत्तीसगढ़ी के अवधारणा संविधान में राजभाषा अधिनियम
2. छत्तीसगढ़ी के मानकीकरण अउ, आधुनिकीकरण
3. मानकीकरण : वर्तनी, शब्द, वाक्य
4. कार्यालयीन/प्रशासनिक छत्तीसगढ़ी के प्रयुक्ति वाणिज्य, ब्यापार, रेल, बैंक, विधि, विज्ञापन, यातायात, आदि। पत्र-व्यवहार- व्यक्तिगत, कार्यालयीन, आदेश, निर्देश, स्मरण-पत्र
5. सामाजिक स्तर-भेद के आधार पर छत्तीसगढ़ी-शिक्षा, प्रशासनिक, धर्म, अउ समाज, आदि।

निर्धारित पुस्तक सूची :

1. सुधीर शर्मा : राजभाषा छत्तीसगढ़ी
2. कैलाश नाथ पाण्डेय : प्रयोजनमूलक हिन्दी की नयी भूमिका
3. कृष्ण कुमार गोस्वामी : प्रयोजनमूलक भाषा और कार्यालयी हिन्दी

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Dr. Ravishankar Shukla University
Raipur (C. G.)

एम. ए. (छत्तीसगढ़ी) : चौथा सेमेस्टर 2019-'20

तेरहवाँ प्रश्न-पत्र

छत्तीसगढ़ी के वाक्य संरचना

1. वाक्य-संरचना के प्रकार — सरल, मिश्र और संयुक्त वाक्य, अपूर्ण, निविष्ट
2. छत्तीसगढ़ी के वाक्य अउ उपवाक्य — संज्ञा उपवाक्य, विशेषण उपवाक्य,
क्रिया विशेषण उपवाक्य
3. पदबंध-संरचना अउ पदक्रम — संज्ञा-पदबंध, सर्वनाम-पदबंध,
विशेषण-पदबंध, क्रिया-पदबंध, क्रिया विशेषण-पदबंध
4. छत्तीसगढ़ी शब्द/वाक्य म अशुद्धि अउ निराकरण
5. छत्तीसगढ़ी म विराम-चिह्न के प्रयोग

निर्धारित पुस्तक सूची :-

1. भोलानाथ तिवारी : वाक्य विज्ञान
2. सूरज भान सिंह : हिंदी का वाक्यात्मक व्याकरण
3. विनय कुमार पाठक एवं विनोद कुमार वर्मा : छत्तीसगढ़ी का सम्पूर्ण
व्याकरण

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चौदवाँ प्रश्न पत्र
छत्तीसगढ़ी अउ अनुवाद

1. अनुवाद के परिभाषा, उद्देश्य एवं महत्व और प्रकार, अनुवाद सिद्धान्त
2. अनुवाद के आधार – सफल अनुवादक के गुण, अनुवाद के भाषा-शैली
3. छत्तीसगढ़ी ले हिंदी अनुवाद (पद्यांश/गद्यांश, पाठ)
4. हिंदी ले छत्तीसगढ़ी अनुवाद (पद्यांश/गद्यांश, पाठ)
5. छत्तीसगढ़ी अनुवाद (स्वेच्छा से) – हलबी, भतरी, गोंडी,

निर्धारित पुस्तक सूची :-

1. सुरेश कुमार : अनुवाद : सिद्धान्त की रूपरेखा
2. परदेसी राम वर्मा : हमर प्रेमचंद (छत्तीसगढ़ म प्रेमचंद के कहिनी)




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छत्तीसगढ़ के तीज-तिहार अउ परंपरा

1. छत्तीसगढ़ के लोक-जीवन, धार्मिक पर्व अउ ओखर सामाजिक महत्व
2. छत्तीसगढ़ी लोकसंस्कृति – लोक संस्कृति – स्वरूप, महत्व
3. छत्तीसगढ़ी वस्त्र आभूषण अउ व्यंजन
4. छत्तीसगढ़ के तीज-तिहार – अक्ती, हरेली, राखी, खमरछठ, पोला तीजा, नवरात्रि, दशहरा, देवारी, अउ होरी आदि
5. छत्तीसगढ़ के लोक चित्रकला – चौक, सदनाही, आटे कन्हैया, हरितालिका, गोबर चित्रकला, घर सिंगार, विवाह चित्र, अउ गोदना आदि।

निर्धारित पुस्तक सूची :-

1. दयाशंकर शुक्ल : छत्तीसगढ़ी लोकसाहित्य का अध्ययन
2. अनुसूया अग्रवाल : छत्तीसगढ़ के तीज-तिहार अउ कथा कहनी



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सोलवाँ प्रश्न-पत्र


प्रायोगिक प्रशिक्षण अउ आंतरिक मूल्यांकन

1. जनजाति भाषा अउ ओखर संस्कृति
2. छत्तीसगढ़ी व्यावसायिक (कृषि, कुम्हार, लोहार, सुनार, आदि) शब्दावली के संकलन
3. कोनो पद्य के छत्तीसगढ़ी अनुवाद
4. कोनो गद्य के छत्तीसगढ़ी अनुवाद
5. छत्तीसगढ़ के लोक साहित्य अउ प्रचलित सब्द के संकलन
6. छत्तीसगढ़ की जनजाति मन के परिचय
7. छत्तीसगढ़ की जनजाति मन के संस्कृति

निर्धारित पुस्तक सूची

1. कांति कुमार : छत्तीसगढ़ी; व्याकरण बोली और कोश
2. भारतीय जनजातियाँ : हरिश्चन्द्र उप्रेती
3. शंकर शेष : छत्तीसगढ़ी का भाषाशास्त्री अध्ययन
4. भारत की जनजातियाँ : शिवतोष दास
5. गिरजाशंकर गौतम : शोध प्रविधि और कंप्यूटर
6. मानव और संस्कृति (सांस्कृतिक मानवविज्ञान की परिचयात्मक रूपरेखा) : श्यामाचरण दुबे




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28/8/19
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Ravishanker Shukla University
Raipur (C. G.)

Diploma in European and Asian Languages – French 2017-18

Paper - I

Texts and Grammar

100 Marks

- * The French Speech Sounds.
- * Word Building and Vocabulary.
- * Sentence Construction.
- * Grammar and Text.

Prescribed Book :

1. Hugo's French in Three Months.

Paper - II

Translation and Comprehension

100

Marks

- * Translation of a simple passage in the French language into English and vice-versa.
- * Unseen Passage : Understanding a passage in the French Language and answering.
- * Simple questions thereon.
- * Simple questions of general nature.
- * Name of day and months.
- * Writing in words the cardinal numbers upto 1000.

Prescribed Book :

1. Hugo's French in Three Months.

Diploma in European and Asian Languages - English

2020-21

Paper - I

Sounds and Grammar

100 Marks

- * English Vowels and Diphthongs (10 Marks)
- * English Consonants (10 Marks)
- * Phonetic Transcription of English Words (10 Marks)
- * Parts of Speech, their Grammatical Formations (10 Marks)
- * Sentence Construction, Sentence (Patterns) (10 Marks)
- * Word Building and Vocabulary - Antonyms, (10 Marks)
Synonyms and Homonyms, Proverbs, and Idioms
- * Grammar Nouns - Countables and Uncountables (use of 'a', 'an', 'some' and 'any'),

use of Articles, Pronouns, Verbs- Main and Auxiliary, Prepositions. Tenses-
their

forms and use, agreement of the verb with the subject, Active and Passive
Voice,

Non-Finites- The Gerund, Infinitive, and Participles, Kinds of Sentence,
Statements,

Commands, Negative, Questions; Simple, Complex, and Compound,
Reported

Speech and Direct Narration.

(30 Marks)

* Correction of Common Errors

(10 Marks)

Books Recommended :

- (1) A Remedial English Grammar - F.T. Wood.
- (2) An Intermediate Grammar and Composition - M.L. Tikkoo and Subramonyam.
- (3) Living English Structure - S. Allen.
- (4) English Pronouncing Dictionary - D. Jones.

Diploma in European and Asian Languages - English

2020-21

Paper - II

Translation and Comprehension

100 Marks

- * Translation of a Passage : English to Hindi and Vice-Versa
(20 Marks)

Comprehension - Unseen Passage in English, and

answering Simple Questions There on

(20 Marks)

- * Precis Writing
(20 Marks)

- * Letter Writing
(20 Marks)

- * Essay Writing
(20 Marks)

Books Recommended :

- (1) A Remedial Course in English for Colleges (Book I) - B.K. Das and A. David
(COEFL, O.U.P.)
- (2) General English - Ganguli and Word

Diploma in National Languages - Sindhi -2021
Annual wise distribution of Courses

Course Code	Title of Paper	Marks	
		External	Total
01.	ध्वनियों और व्याकरण	100	100
02.	सिंधी भाषा और अनुवाद	100	100
	Total	200	200

1. पाठ्यक्रम की अवधि: 1 वर्ष।
2. कुल सीटों की संख्या: 30।
3. प्रवेश विश्वविद्यालय के नियमानुसार।
4. पी.जी. डिप्लोमा इन सिंधी भाषा कुल 02 प्रश्न पत्र हैं।
5. प्रत्येक प्रश्न पत्र 100 अंक का होगा।

Diploma in National Languages - Sindhi -2021

प्रथम प्रश्न-पत्र
ध्वनियाँ और व्याकरण

100 अंक

1.	सिंधी के स्वर, व्यंजन और संयुक्त स्वर	10
2.	वाग्भाग (संज्ञा, सर्वनाम, विशेषण, क्रिया, अव्यय)	10
3.	व्याकरणिक संरचना (लिंग, वचन, पुरुष, कारक, काल, पक्ष, वाच्य, वृत्ति)	10
4.	शब्द निर्माण (सामान्य, मिश्र, सामासिक)	10
5.	शब्दावली (पर्यायवाची, विलोमार्थी, अनेकार्थी, समनाम, मुहावरे, कहावतें)	10
6.	वाक्य (रचना और अर्थ के आधार पर)	10
7.	अपठित गद्यांश	10
8.	पत्र लेखन और संक्षेपण	10
9.	पल्लवन	10
10.	निबंध-लेखन	10
कुल अंक		100

निर्धारित पुस्तकें-

1. एम.के. जेटली : सिंधी भाषा व्याकरण एवं प्रयोग, सिंधी एकेडेमी दिल्ली
2. प्रो. हरदवानी : अछो सिंधी सिंखून
3. डॉ. प्रताप पिंजानी : Sindhi Reader-I, राष्ट्रीय सिंधी बोली विकास परिषद्, नई दिल्ली
4. डॉ. प्रताप पिंजानी : Sindhi Reader-II राष्ट्रीय सिंधी बोली विकास परिषद्, नई दिल्ली :

द्वितीय प्रश्न-पत्र
सिंधी भाषा और अनुवाद

100 अंक

1.	सिंधी भाषा का उद्भव और विकास एवं उनकी बोलियाँ	20
2.	सिंधी भाषा की संस्कृति एवं व्यवहार और सिंधी भाषा का औपचारिक और अनौपचारिक प्रयोग: घर, परिवार, समाज, बाजार, बैंक, रेल, एवं अन्य क्षेत्रों में	20
3.	सिंधी भाषा के साहित्य का परिचय : कविता, कहानी, उपन्यास, नाटक निबंध एवं अन्य विधाएँ	20
4.	अनुवाद, परिभाषा क्षेत्र और सिद्धांत एवं प्रकार	20
5.	सिंधी से हिंदी/अंगरेज़ी/छत्तीसगढ़ी में अनुवाद	10
6.	हिंदी/ अंगरेज़ी/ छत्तीसगढ़ी से सिंधी में अनुवाद	10

कुल अंक — 100

निर्धारित पुस्तकें—

1. डॉ. एम.के. जेटली : सिंधी साहित्य जो इतिहास
2. के.पी. लखवानी: सिंधी बोली एवं साहित्य जो इतिहास
3. आनंद खेमानी: अनुवाद कला
4. प्रो. रविन्द्र श्रीवास्तव और प्रो. के.के. गोस्वामी : अनुवाद सिद्धांत और प्रक्रिया
5. डॉ. प्रताप पिंजानी : Sindhi Reader-I, राष्ट्रीय सिंधी बोली विकास परिषद्, नई दिल्ली
6. डॉ. प्रताप पिंजानी : Sindhi Reader-II राष्ट्रीय सिंधी बोली विकास परिषद्, नई दिल्ली

Certificate Course in Translation – 2017-18

Paper - I

Theory of Translation

100

Marks

(अनुवाद के सिद्धांत)

Translation Definition, Aim, Importance and

अनुवाद की परिभाषा, अनुवाद का

Scope, Demerits, Limitation, Good Translation,

उद्देश्य, महत्व और व्यवहार-क्षेत्र, ए
अनुवाद के दोष, अनुवाद की

Theories of Translation

सीमाएँ, सफल अनुवाद,

अनुवाद-सिद्धांत

Processor Translation- Nada's View, Nemark's View

व्युत्पन्न विचार; नदर का दृष्टिकोण

Bathgate's View, Conclusion

उ, बथगेट का दृष्टिकोण निष्कर्ष
दृष्टिकोण का निष्कर्ष

Types of Translation, Type of Extra Linguistic

व्युत्पन्न विधियाँ & अतिभाषाई;

Translation, Types of Intra-Linguistic Translation,

व्युत्पन्न & अतिभाषाई अतिभाषाई ,
व्युत्पन्न & अतिभाषाई अतिभाषाई
अतिभाषाई अतिभाषाई

Types of Secondary Translation Type of Text

Translation Work - Types of Translator, Abilities

व्युत्पन्न कार्य & व्युत्पन्न विधियाँ

of Translator, Language of Translator, Methods

व्युत्पन्न विधियाँ {व्युत्पन्न विधियाँ ,
अतिभाषाई व्युत्पन्न विधियाँ; अतिभाषाई व्युत्पन्न विधियाँ
अतिभाषाई व्युत्पन्न विधियाँ; अतिभाषाई व्युत्पन्न विधियाँ

of Translation, Evaluation, Lexical, Syntactical,

Semantic Contextual, Teaching of Translation in

Monolingual and Bilingual Contexts

अतिभाषाई व्युत्पन्न विधियाँ अतिभाषाई व्युत्पन्न विधियाँ
अतिभाषाई व्युत्पन्न विधियाँ अतिभाषाई व्युत्पन्न विधियाँ
अतिभाषाई व्युत्पन्न विधियाँ अतिभाषाई व्युत्पन्न विधियाँ

Books Recommended for study:

- (1) Aspects of Translation - L. Forster (Ed.) A.D. Booth (Sicker and Warberg, London).
- (2) A Linguistic Theory of Translation - J.C. Catford (Oxford University Press, London).
- (3) Towards A Science of Translating - E.A. Nida (Leiden, E.J. Brill).
- (4) Translation and Translation - J.P. Postgate (London : Bell).
- (5) अनुवाद सिद्धांत की रूपरेखा – सुरेश कुमार (वाणी प्रकाशन, दिल्ली).
- (6) अनुवादकला सिद्धांत और प्रयोग – कैलाशचंद्र भाटिया (भारतीय ग्रंथ निकेतन, दिल्ली).
- (7) अनुवाद विज्ञान – भोलानाथ तिवारी.
- (8) अनुवाद : सिद्धांत और समस्याएँ – रवींद्र श्रीवास्तव एवं कृष्ण कुमार गोस्वामी.
- (9) अनुवादकला और समस्याएँ – वैज्ञानिक अनुसंधान और संस्कृति मंत्रालय, भारत
- (10) भारतीय भाषाओं से अनुवाद की समस्याएँ – भोलानाथ तिवारी एवं किरण बाला (शब्दकार, दिल्ली).

Certificate Course in Translation – 2017-18

Paper - II

Practice of Translation

100

Marks

There will be ten questions of equal marks based on the matter on the following topics. Each Topic will have two passages one for Hindi-English Translation and the other for English-Hindi Translation (Students can use dictionaries)

इस प्रश्न-पत्र में निम्नलिखित प्रकरणों पर आधारित समान अंकों वाले दस प्रश्न पूछे जाएँगे। प्रत्येक प्रकरण पर दो गद्यांश होंगे— पहला हिंदी-अँगरेजी अनुवाद के लिए और दूसरा अँगरेजी-हिंदी अनुवाद के लिए। छात्र शब्दकोश इस्तेमाल कर सकते हैं।

1.	News	-	समाचार
2.	Official Letter	-	कार्यालयीन पत्र
3.	Literary Essay	-	साहित्यिक निबंध
4.	Conversation	-	वार्तालाप
5.	Advertisement	-	विज्ञापन

Books Recommended निर्धारित पुस्तकें

- (1) How to Translate in to English (Incorporating Spoken English) - R.P. Sinha, Bharat Bhawarn, Patna.

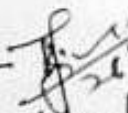
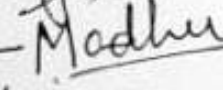
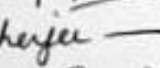
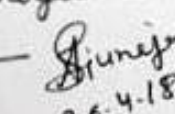
Pt Ravishankar Shukla University, Raipur Chhattisgarh

Pre -PhD Course Work in English
(2018-2019)

Scheme of Examination

There shall be two papers. The first will be a theory paper and the second will contain project work

S.No.	Particulars	Maximum Marks
1.	Theory Paper Research Methodology and Computer Applications	100
2.	Project work, Dissertation/Project Script	50
	Seminar	30
	Viva	20
	Grand Total	200

1. Dr Kirti Tiwari —  26/4/18
2. Dr Madhu Kher —  26/4/18
3. Dr Pratibha Mukherjee —  26/4/18
4. Dr Anita Jangra —  26.4.18

 26/4/18

Details of the Syllabus

Paper I

Research Methodology and Computer Applications

Pre-writing Stage:

Unit-I Research: Definition of Research, Aim and application of research: Types of research; Planning the assignment/thesis- Selection a topic; Reviewing the literature; Designing the Study.

Conducting Research:

Using modern academic libraries and other information sources and services: The Central information system; Reference work- Indexes and Bibliographies, collection of abstracts; guides to research; dictionaries: Encyclopaedia: biographical source, web sources.

Unit-II Referencing and Plagiarism:

Reference systems, kinds of bibliography, compiling a working bibliography, evaluating sources; taking notes.

Plagiarism: Its definition, consequences of plagiarism, forms of plagiarism, copyright infringement.

Unit-III Computer and Internet Basics:

MS-Word: Creating editing and formatting a document; Text entry, font, text style and alignment Understanding page layout, page set up header and footer, numbering pages; formatting paragraphs with paragraph spacing bullet and numbering; Using grammar and spell check utilities; Print preview, printing a document.

MS-Excel: Workbook, worksheets and cells; entering data in worksheet; editing and formatting data using formulas and function: generating graphs using graphs features.

MS-Power point: Working with basics for creating and delivering a power point presentation.

Introduction to Internet: Use of search engine, communication on Internet creating your e-mail address. Using e-mail facilities, surfing the internet, downloading and printing literature and using the internet.

Writing Stage

Unit IV Writing Research Proposal/Research Paper/Thesis

(i) Topic Statement

1. Dr Kirati Tiwari — *Kirati* 26/4/18
2. Dr madhu kher — *Madhu Kher*
3. Dr Pratibha Mukherjee — *Pratibha* 26/4/18
4. Dr Arida Jungia — *Arida* 4-18

Paper- II Project work

This paper will consist of research components specified in the Ph.D. regulation marks

(i) Dissertation/project work leading to PhD. Work

50

This will be completed with the involvement of the research guide. It should focus on certain tasks such as literature review covering different aspects of research the field of research and the research methodology employed for the research must be critically reviewed.

(ii) Seminar


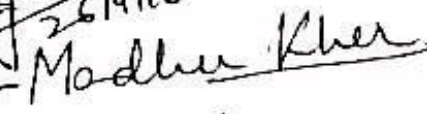

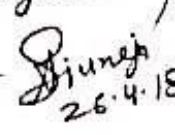
30

The candidate will be required to participate in at least two seminars of relevance or will present a paper in at least one seminar or a combination of both within the duration of the course work.

(iii) Viva on Dissertation/Project

20

The presentation of the candidate will be assessed for its clarity of thought content and skill of expression.

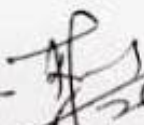
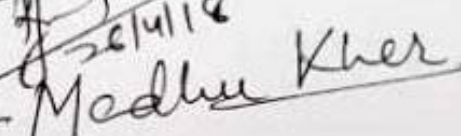
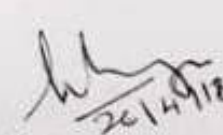
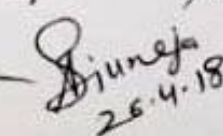
1. Dr Kirati Tiwari —  26/4/18
2. Dr Madhu Kher —  Madhu Kher
3. Dr Pratibha Mukherjee —  26/4/18
4. Dr Arida Juneja —  26.4.18

- (ii) Abstract, Keywords for Research Paper
- (iii) Aims and Objectives
- (iv) Hypothesis
- (v) Rationale /Justification for the Project
- (vi) Methodology
- (vii) Key Issues and Arguments
- (viii) A Brief Literature Review/ Review of Scholarships in the area
- (ix) Socio-cultural Background Related to the Topic
- (x) Work Plan
- (xi) Chapter Division
- (xii) Notes and Works Cited
- (xiii) Special Elements: Title page, table of contents, Headings and sub- headings, tables and figures, appendix, Bibliography: Primary and Secondary Sources, Language and style, capitalisation, pagination, spacing, use of quotations, methods of transcription, Plagiarism checking, editing.

Post Writing Stage

Unit V Elements of Thesis

- (i) The Preliminaries
- (ii) Title Page
- (iii) Table of Contents
- (iv) Approval sheets
- (v) Typing Instructions
- (vi) Proof Reading

1. Dr Kirti Jivani —  26/4/18
2. Dr Madhu Kher —  Madhu Kher
3. Dr Pratibha Mukherjee —  26/4/18
4. Dr Arita Juneja —  26.4.18

भाषाविज्ञान में पी-एच.डी. कोर्स का पाठ्यक्रम
(Syllabus for Ph.D. Course Work in Linguistics)

2020-21

इस कोर्स वर्क में दो प्रश्न-पत्र होंगे, प्रत्येक प्रश्न-पत्र में अधिकतम 100 अंक हैं।

प्रथम प्रश्न-पत्र : शोध-प्रविधि एवं कम्प्यूटर का आधारभूत ज्ञान।

Research Methodology & Computer
Fundamentals

द्वितीय प्रश्न-पत्र : साहित्य का पुनरावलोकन एवं सेमीनार

Review of Literature & Seminar

प्रथम प्रश्न-पत्र : शोध-प्रविधि एवं कम्प्यूटर का आधारभूत ज्ञान।
Research Methodology & Computer
Fundamentals

अधिकतम अंक-100

ईकाई 1	25
अंक	
शोध का तात्पर्य, लक्ष्य तथा महत्व Importance	Meaning of Research, Aims &
शोध के प्रकार	Types of Research
भाषिक-शोध की प्राचीन परंपराएं Research	Old Traditions of Linguistics
ईकाई 2	25
अंक	
भाषिक-शोध के प्रमुख उपागम ऐतिहासिक एवं तुलनात्मक	Major Theoretical Approaches in Linguistic Research&Descriptive, Historical & Comparative
शोध-विषय का चयन तथा नियमन	Selection of Topic of Research & Formalation of Research Problem.
ईकाई 3	25
अंक	
शोध-प्रारूप	Research&Design
सामग्री-संकलन के उपागम Monolingual	Approches of Data-Collection –
एकभाषिक एवं द्विभाषिक	& Bilingual
सामग्री-संकलन के उपकरण- Informant, Word	Tools of Data- Collection,
सूचक शब्द-वाक्य-लिस्ट Equipments	Sentence-List, Card & other

कार्ड तथा यांत्रिक-सामग्री

प्रश्नावली—

Questionnaire

ईकाई 4 25
अंक

आई.सी.टी : अर्थ, लाभ एवं
उपयोगिताएं

ICT : Meaning, Advantages & Uses

कम्प्यूटर : परिचय और अनुप्रयोग
Application

Computer : Introduction &

इंटरनेट का सिद्धांत, सर्व इंजन
Search

Basics of Internet, e-mailing, Using

का उपयोग जैसे—गूगल व याहू आदि

Engine- like Google and Yahoo etc.

साहित्य अनुसंधान एवं तकनीक

Literature Research & Techniques

द्वितीय प्रश्न-पत्र : साहित्य का पुनरावलोकन एवं सेमीनार

Review of Literature & Seminar

अधिकतम अंक—100

(अ) प्रस्ताविक पी-एच.डी. कोर्स हेतु साहित्य एवं सेमीनार के मूल
सिद्धांतों का पुनरावलोकन।

Review of Literature – Writing review of literature in the area of the
proposed Ph.D

Programme..... 50 अंक

(ब) सेमीनार Seminar..... 50 अंक

नोट – विद्यार्थियों को कोर्स वर्क के लिए न्यूनतम प्राप्तांक अंक 50
प्रतिशत प्राप्त करना अनिवार्य है।

Note :- The candidate must obtain minimum 50% Marks to qualify in the
Course Work)

पी-एच.डी. कोर्स वर्क का पाठ्यक्रम
विषय-हिन्दी

पूर्णांक-100

प्रथम प्रश्नपत्र :- अनुसंधान की प्रविधि, प्रक्रिया और कम्प्यूटर का अनुप्रयोग
(प्रत्येक इकाई से वैकल्पिक प्रश्न पूछे जायेंगे)

इकाई 1

25 अंक

- (1) अनुसंधान का स्वरूप, (2) अनुसंधान और आलोचना,
(3) अनुसंधान के मूलतत्व (4) अनुसंधान के प्रकार

इकाई 2

25 अंक

- विषय चयन
- सामग्री- संकलन, हस्तलेखों का संकलन और उपयोग।
- शोध-कार्य का विभाजन, अध्याय-उपशीर्षक और अनुपात।
- रूपरेखा, विषय-सूची, प्रस्तावना, भूमिका, सहायक ग्रंथों की सूची, संदर्भ-उल्लेख, पाद टिप्पणी।

इकाई 3

25 अंक

- साहित्य अनुसंधान में ऐतिहासिक तथ्यों और पद्धतियों का उपयोग।
- साहित्यिक अनुसंधान में समाजशास्त्रीय प्रविधि का उपयोग।
- हिंदी अनुसंधान से सम्बद्ध विषयों की भूमिका।
- पाठालोचन के मुख्य सिद्धांत।
- भाषा, वैज्ञानिक अनुसंधान।

इकाई 4

25 अंक

- कम्प्यूटर परिचय, रूपरेखा, उपयोग तथा क्षेत्र।
- इंटरनेट-सम्पर्क उपकरणों का परिचय, प्रकार्यात्मक रखरखाव, वेब पब्लिशिंग।
- ई-मेल भेजना, प्राप्त करना, डाउनलोडिंग, अपलोडिंग और हिंदी सॉफ्टवेयर पैकेज। प्रूफ शोधन।

टीप : उपरोक्त पाठ्यक्रम के अतिरिक्त निम्नलिखित विषयों पर जानकारी आवश्यक है।

- प्लेगोरिजम (शब्द हरण) (शोध की नकल)
- साइटेशन इंडेक्स
- जनरल इंपैक्ट फैक्टर
- आर्ट एण्ड ह्यूमनेटिज साइटेशन इंडेक्स जनरल
- रिसर्च एथिक्स
- वर्ड प्रोसेसिंग
- ICT (इन्फोर्मेशन कम्प्यूनिकेशन टेक्नालॉजी)

AA 96
09/12/19
डॉ. अनुसुईया अग्रवाल डी.लिट.
अध्यक्ष
हिन्दी अध्ययन मंडल
पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) 492 001

द्वितीय प्रश्नपत्र 100 अंक
संबंधित साहित्य का पुनरावलोकन, सेमिनार एवं प्रोजेक्ट कार्य

50 अंक

1. प्रस्तावित विषय से संबंधित लघु-शोध प्रबंध

या

स्तरीय शोध-पत्र में प्रकाशित किसी भी लेखक के दो आलेख का पुनरावलोकन, कोई एक पुस्तक का पुनरावलोकन।

2. प्रस्तावित विषय पर आधारित सेमिनार

50 अंक

-0-

AA
03/12/19
डॉ. अनुसुईया अग्रवाल डी.लिट.
अध्यक्ष
हिन्दी अध्ययन मंडल
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