Pt. Ravishankar Shukla University, Raipur

M.A./M.Sc. ANTHROPOLOGY

Semester -1

July 2017-December 2017

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M.A. / M.Sc. ANTHROPOLOGY SEMESTER-I

PAPER I - Fundamentals of Social/ Cultural Anthropology

MAX. Marks- 80 MIN. Marks - 27

Each Paper will have 40 **compulsory** questions, divisible into 4 sections.

- i) Section-A(Multi-Choice Questions): 20 questions of 1 mark each.
- ii) Section-B(Short Questions): 8 questions(two from each unit) of 2 marks each(word limit: 2-3 lines)
- iii) Section-C(Long Questions): 8 questions(two from each unit) of 3 marks each(word limit: 75words)
- iv) Section-D(Very Long Questions): 4 questions(one from each unit) of 5 marks each(word limit: 150 words)

Unit- I

Meaning and scope of Anthropology.

Divisions of Anthropology.

Scope of Social-Cultural Anthropology

Social-Cultural Anthropology and relations with other social sciences, life sciences, medical sciences and humanities

Theory of culture: attributes of culture, culture trait, culture complex, culture area, integration of culture, paradoxes of culture

Some basic concept: Civilization, Society, Social structure, Social Organization, Community, Social Institutions, Groups, Status & Role

Unit-II

Social organisation:

Family: typology, residence, functions,

Marriage: typology, mate selection: cross-cousin, sororate etc. dowry and bride price.

Kinship: kin: consanguine, affinal

Tribe, Class, Moiety, Phratry

Kinship terminology: classificatory and descriptive, terms of reference and address

Kinship behaviour: Joking and avoidance relationship

Social stratification, Status and role, Status of woman (Gender)

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Unit-III

Economic organisation: Property: individual and collective

Property: concept of primitive communism

Concept of value in primitive economy

Stages of economy: collection, hunting, fishing, pastoralism, cultivation: shifting and settled Subsistence, surplus, and market economy

Systems of trade-exchange: reciprocity, redistribution, barters and markets

Political organization: Law and social control: concept of authority and leadership

Types of political organisation: band, tribe, state

Kingship and chiefdom Primitive law and Justice

Types of punishment

Ethnicity and nationality

Unit-IV

Religion and magic: anthropological approaches to the study of religion- evolutionary, psychological and functional

Primitive religion: animism, animatism, bongaism, totemism

Magic: functions and types

Magico-religious functionaries: shaman, priest, medicine man, sorcerer, witch.

Symbolism in religion and rituals

Religion, magic and science

Art and aesthetics: Forms of music, dance forms, musical instruments

Paintings: ritualistic and symbolic,

Artifacts: carvings, mould, masks etc

Origin and evolution of human language

Language, culture and society

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Recommended Readings:

- 1. Barnouw, V. 1979. Anthropology: A General Introduction, The Dorsey Press, Illinois.
- 2. Holmes, L. D. Anthropology: An Introduction, The Ronald Press Company, New York.
- 3. Sharma and Sharma. 1997. Anthropology, Atlantic Publishers and Distributors, New Delhi.
- 4. Hunter & Whitten. The Study of Cultural Anthropology, Harper & row Publishers, New York.
- 5. Moore, A. 1978. Cultural Anthropology, Harper & row Publishers, New York.
- 6. Kaplan, D. & Manners, R. A. Culture Theory, Prentice Hall of India Private Ltd., New Delhi.
- 7. Herskovitz, M. J. Cultural Anthropology, Oxford & IBH Publishing Co., New Delhi.
- 8. Mair, L. 1965. An Introduction to Social Anthropology, Clarendon Press, Oxford.
- 9. Majumdar, D.N. & Madan, T. 1986. An Introduction to Social Anthropology, National Publishing House, New Delhi.
- 10. Mishra, U. S. Samajik Sanskritik Manavshastra, Palka Prakashan, Delhi.
- 11. Shrivastava, A. R. N. Samajik Manav Vigyan Vivechan (in Hindi), Madhya Pradesh Hindi Granth Academy, Bhopal.
- 12. Evans-Pritchard, Social Anthropology.
- 13. Honnigmann, J. Handbook of Social and Cultural Anthropology.
- 14. Fox, Robin. Kinship and Marriage.
- 15. Sahlins & Service. Evolution and Culture. The University of Michigan Press, Ann Arbor.
- 16. Barth, F. Ethnic Group and Boundaries.
- 17. Barnet, H.G. Innovation. The Basis of Culture Change.
- 18. Rogers E.M. & Schmacher, F.F. Communication of Innovation.
- 19. Rogers, E.M. Diffusion of Innovation.
- 20. Rad-cliffe Brown, A.R. Structure and Function in Primitive Society.
- 21. Harris, Marvin. Cultural Anthropology.
- 22. Malinowsky, B.K. Scientific Theory of Culture and Other Essay.
- 23. Foster, G.M. Tradition, Cultures and Impact of Technological Change.
- 24. Dalton, George. Tribal and Peasant Economics: Readings in Economic Anthropology.
- 25. Kluckhohn, C. Mirror for Man.
- 26. Herskovits, M.J. Man and His Works.
- 27. Ember and Ember, Anthropology
- 28. Nas, Manning. Primitive and Peasant Economic Systems
- 29. Bohannan, Paul. Social Anthropology
- 30. Jacob, Awsrern. General Anthropology
- 31. Levi Strauss, Elements of Kinship
- 32. Schumachr, E.F. Small is Beautiful
- 33. Evans- Pritchrd, E.E. Primitive Religion
- 34. Norbeck. Primitive Religion
- 35. Lowie, R.H. Primitive Social Organisation
- 36. Lowie, R.H. Social Organisation

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M.A./M.Sc. ANTHROPOLOGY SEMESTER-I

Paper II- Fundamentals of Physical/ Biological Anthropology

MAX. Marks- 80 MIN.Marks - 27

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i) Section-A(Multi-Choice Questions): 20 questions of 1 mark each.

- ii) Section-B(Short Questions): 8 questions(two from each unit) of 2 marks each(word limit: 2-3 lines)
- iii) Section-C(Long Questions): 8 questions(two from each unit) of 3 marks each(word limit: 75words)
- iv) Section-D(Very Long Questions): 4 questions(one from each unit) of 5 marks each(word limit: 150 words)

UNIT-I

History, Definition, Meaning and Scope of Physical Anthropology.
Relationship of Physical Anthropology with Physical, Biological and Medical Sciences.
History and Development of Physical Anthropology in India.
New Physical Anthropology.

UNIT-II

Theories of Organic Evolution: Lamarckism, Darwinism, Synthetic Theory. Man's place in Animal Kingdom. Primate behavior. (With reference to Higher Primates)

UNIT-III

Comparative anatomy of Man and Apes. Hominid Evolution. Erect posture and bipedalism. Evolution of Teeth, Chin, Foot and Pelvis.

UNIT-IV

Human Diversity, Concept of Race,, Race formation, Criteria of Racial classification-skin, Hair and eye colour, Stature, Eyes, Lips and Ears, Face and lower jaw, Blood groups Dermatoglyphics. Distribution and characteristics-Caucasoid, Negroid, Mongoloid.

Racial classification of Indian populations – Risley and Guha.

Causes of human variation

Recommended Readings:

- 1. Comas, J. 1960. Manual of Physical Anthropology, Springfield, Charles C. Thomas.
- 2. Sarkar, R. M. 1976. Fundamentals of Physical Anthropology. Blackie (India).
- 3. Das, B. M. 1985. Outlines of Physical Anthropology, Kitab Mahal, New Delhi.
- 4. Shrivastav, A. R. N. 1994. Sharirik Manav Vigyan (in Hindi), Gyandeep Prakashan, Allahabad.

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- 5. Barnouw, V. 1979. Anthropology: A General Introduction, The Dorsey Press, Illinois.
- 6. Hooton, E. A. Up from the Ape, The Macmillan Co., New York.
- 7. Lasker, G.B. and Tyzzer, R.N. Physical Anthropology, Holt Rinechart & Winston, New York.
- 8. Shukla, B.R.K. and Rastogi, S. Physical Anthropology and Human Genetics: An Introduction, Palka Prakashan, Delhi.
- 9. Buettner-Janusch, J. Origins of Man, Wiley Eastern Pvt. Ltd. New Delhi.
- 10. Montagu, M.F.A. The Concept of Race, The Free Press, New York.
- 11. Montagu, M.F.A. An Introduction to Physical Anthropology, Charles C Thomas, Springfield Illinois.
- 12. Harrison, G.A., Weiner, J.S., Tanner, J.M. and Barnicot, N.A. Human Biology: An Introduction to Human Evolution, Variation And Growth, Clarenden Press, Oxford.
- 13. Ashley, Montague. Concept of Race.
- 14. Backer, P.T. & Weiner (eds.). Biology of Human Adaptability.
- 15. M. Ember and Ember. Anthropology.
- 16. Harrison, G.A. and Boyce, J. The Structure of Human Population.
- 17. Sarkar S.S. Aboriginal races of India.
- 18. Sahlins and Service. Evolution and Culture.
- 19. Simpson, G.G. The Meaning of Evolution.
- 20. Williams B.J. Evolution and Human Origin

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M.A. / M.Sc. ANTHROPOLOGY SEMESTER-I

Paper III - Prehistoric Archaeology and Palaeo-Anthropology

MAX. Marks - 80 MIN.Marks - 27

Important Note: Each Paper will have 40 compulsory questions, divisible into 4 sections.

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- ii) Section-B(Short Questions): 8 questions(two from each unit) of 2 marks each(word limit: 2-3 lines)
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- iv) Section-D(Very Long Questions): 4 questions(one from each unit) of 5 marks each(word limit: 150 words)

UNIT - I

Introduction: Definition, Subject matter, Branches, Aims and Applications.

Framework of Archaeological Cultures.

Relationship with Other Branches of Anthropology, Earth Sciences, Physical sciences,

Life Sciences and Social Sciences.

UNIT - II

Geological Time Scale.

Pleistocene Epoch: Glacial-interglacial; Pluvial-Inter-Pluvial Climatic Cycles,

Impact on Cultural Development.

Climatic Markers: Moraines, Terraces, Sea-level Changes, loess, Soil, Dune & Fossils.

Tool Technology: Flaking (Primary & Secondary), Grinding and Polishing Techniques used during Stone Age.

Dating Techniques:

(a) Relative Dating: Stratigraphy, River Terraces, Raised Sea-Beaches, Typo-technology,

Fluorine Dating, Pollen Dating.

(b) Absolute dating: Radio-active Carbon, Potassium-Argon, Uranium- Thorium, Dendrochronology, Thermoluminescence, Fission-Track & Obsidian Hydration.

UNIT - III

Lower Palaeolothic of Europe: Distribution, Chronology, Stratigraphy, Assemblage, Abbevillian, Acheulian, Associated Human Fossils.

Middle Palaeolithic of Europe: Distribution, Chronology, Stratigraphy, Assemblage, Traditions, Associated Human Fossils.

Upper Palaeolithic of Europe: Perigordian, Auregnasian, Solutrean, Magdalenian; Prehistoric Art (Home Art and Cave Art).

Mesolithic Culture of Europe: Azilian, Tardenoisean, Austerian, Maglamosean, Kitchen Midden, Campegnian.

UNIT - IV

Australopithecus Species: Discoveries, Distribution, Chronology, Salient features, Phylogeny. Homo erectus: Discoveries, Distribution, Chronology, Salient features, Phylogeny. Homo sapiens neanderthalensis: Discoveries, Distribution, Chronology, Salient features, Phylogeny.

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Homo sapiens sapiens (Cro-Magnon, Chancelade, Grimaldi): Discoveries, Distribution, Chronology, Salient features, Phylogeny.

Recommended Readings:

- 1. Agrawal, D.P. & M.G. Yadava. 1995. Dating the human past.
- 2. Bhattacharya, D.K. 1977. Palaeolithic Europe.
- 3. Bordes, F. 1968. The Old Stone age. Weidenfeld and Nicolson.
- 4. Burkitt, M.C. 1969. Old Stone Age: Study of Palaeolithic Times.
- 5. Campbell, B. C. 1979. Humankind emerging, II edition.
- 6. Clark, W. E. L. 1964. The Fossil Evidence for Human Evolution, The University of Chicago Press, Chicago.
- 7. Coles, J. M. & E. S. Higgs. The Archaeology of early man. Faber and Faber.
- 8. Grazioli, P. Paleolithic Art.
- 9. Howell, W. Mankind in the making.
- 10. Johanson, D & E. Maitland. 1981. Lucy- The beginnings of humankind.
- 11. Knudson, S.J. 1978. Culture in retrospect: An introduction to Archaeology.
- 12. Oakley, K.P. 1972. Man the tool maker
- 13. Roe, Derek 1970. Prehistory: An introduction.
- 14. Sankalia, H.D. 1964. Stone age tools: their techniques, names and probable functions, Pune, Deccan College.
- 15. Sankalia, H.D. 1974. Prehistory and Protohistory of Early India and Pakistan.
- 16. Allchin and Allchin, 1982. The rise of civilization in India and Pakistan, Select Book Service Syndicate, New Delhi.
- 17. Zeuner, F.E. Pleistocene Period.
- 18. Agrawal, D.P. The Archaeology of India, Curzon Press.
- 19. Ashley, Montague. Physical Anthropology and Archaeology.
- 20. Barmown, Victor. Physical Anthropology and Archaeology, Illinois, The Dorse Press Home Wood.
- 21. Banerjee. Iron Age in India. Munshiram Manoharlal.
- 22. Brothwell D. & Higgs E. (ed.). Science in Archaeology. Thames and Hudson.
- 23. Budtzer, K.W. Environment and Archaeology.
- 24. Clark, D.L. Analytical Archaeology. Methuen and Co. Ltd.
- 25. Das, B.M. Outlines of Physical Anthropology. Kitab Mahal.
- 26. James, J. Hester, Introduction to Archaeology. Holt, Rinehart and Winston.
- 27. Michel, J.W., Dating Method in Archaeology. Seminar Press.
- 28. Sakalia, H.D., New Archaeology Its Scope and Application to India, Ethnographic and Folk Culture Society.
- 29. Zeuner, F.E. Pleistocene Period. Hutchinson.

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M.A./M.Sc. ANTHROPOLOGY SEMESTER-I

Paper IV- Research Methods in Anthropology

MAX. Marks- 80 MIN.Marks - 27

Each Paper will have 40 compulsory questions, divisible into 4 sections.

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UNIT-I

Field work tradition in Anthropology: covering all branches of Anthropology to gain holistic perspective.

Social research and Social survey.

Hypothesis: Sources, characteristics, importance and types of hypothesis.

Methods: Logical, Historical and Scientific methods

Ethnographic method.

Type of research

Report writing: Dissertation and scientific papers

UNIT-II

Research design: review of literature, aims & objectives, hypotheses, research questions, conceptual model, types of research design, evaluation research

Techniques of data collection- Primary data collection: Observation, Questionnaire, Interview,

Schedule, Case study, Audio-visual recording, Genealogy.

Secondary Data collection: Census, National Sample Survey, Models and Paradigms.

Data collection: Choice of Suitable Technique.

RRA, PRA, RAP,

UNIT - III

Data: Definition and characteristics.

Types of Data: Geographical, Chronological, Qualitative and Quantitative, Nominal, Ordinal, Ratio and Interval.

Sources of Data: Primary and Secondary sources.

Tabulation: General, Special purpose & Machine tabulation.

Analysis and Interpretation of data.

Preparation of report,

Graphic and Diagrammatic presentation of data.

UNIT-IV

Scope, utility and importance of statistics in Anthropology.

Sampling: Random and Non random sampling

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Measures of Central Tendency- Mean, Mode and Median. Variables, Univariate, Bivariate and Multivariate analysis Scaling techniques

Recommended Readings:

- 1. Goode & Hatt. Methods in Social Research.
- 2. Young, P. V. Scientific Social Surveys and Research.
- 3. Danda, Ajit. Research Methodology in Anthropology, Inter- India, New Delhi.
- 4. Gupta, S. P. Statiatics Methods.
- 5. Elhance, D. N. Practical Problems in Statistics, Kitab Mahal, Allahabad.
- 6. Levin, J. Elementary Statistics in Social Research.
- 7. Sarin, S.S. and Balchandani, M.K. Fundamentals of Statistics. Ratan Prakashan Mandir, Agra.
- 8. Fernandes & Tondon, Participatory Research.
- 9. Fisher, Michael. Application in Computing for Social Anthropologists, London, Routledge.
- 10. H. Russel. Bernard, Handbook of Methods in Cultural Anthropology, Altamira Press.
- 11. Kaplan, Abraham. The Conduct of Enquiry: Methodology for Behavioural Sciences.
- 12. Kassam & Mustafa. Participatory Research.
- 13. Madrigal, Lorena. Statistics for Anthropology.
- 14. Mukherjee, Neela. Participatory Rural Appraisal and Questionnaire Survey.
- 15. Pelto P.S. & Pelto G.H. Anthropological Research: the structure of inquiry. London, Cambridge University Press.
- 16. Renfrew, C. (ed.). The Explanation of Culture Change: Models in Prehistory. Duckworth.
- 17. Sankalia, H.D. Stone Age Tolls, Families and Techniques, Pune, Deccan College.
- 18. Triger, B.G. Beyond History the Methods of Prehistory. Holt, Rinehard and Winston.
- 19. Young, Pauline. Scientific Social Survey and Research.

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M.A./M.Sc. ANTHROPOLOGY SEMESTER-I

Lab Course I -Practicals in Craniology and Craniometry

MAX. Marks- 80 MIN. Marks - 27

Description of Human Skull and its importance in biological anthropology.

Craniology and Forensic science.

Following Craniometric measurements are to be taken on atleast 2 skulls.

Measurements

Maximum cranial length

Glabella-inion length

Nasion-inion length

Glabella-lambda length

Length of foramen magnum

Maximum Cranial breadth

Minimum frontal breadth

Maximum frontal breadth

Bi-auricular breadth

Greatest occipital breadth

Bi- mastoid breadth

Minimum breadth of skull

Breadth of foramen magnum

Basion bregma height

Auriculo bregmatic height

Calvarial height

Occipital chord

Outer bi-orbital breadth

Inner bi-orbital breadth

Bi-orbital breadth

Bizygomatic breadth

Bimaxillary breadth

Morphological facial height

Upper facial height

Inter orbital breadth

Orbital breadth, Orbital height

Nasal breadth

Nasal height

Length of nasal bone

Maxillo-alveolar length

Maxillo alveolar breadth

Palatal length

Palatal breadth

Palatal height

Bi-condylar breadth

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Bigonial breadth Symphysial height Height of ramus.

Angles

Total profile angle Nasal profile angle

Profile angle of nasal roof

Metopic angle, inclination angle of foramen magnum

Calvarial base angle

Bregma angle of Schwalbe

Mandibular angle.

Index

Cranial index

Facial index

Nasal index

Measurement on Craniograph

(At least on 2 skulls)

Calvarial height

Lambda calvarial height

Frontal perpendicular

Parietal perpendicular

Occipital perpendicular.

Recommended Readings:

- 1) Singh, S.P. Kinanthropometry
- 2) Ashley Montagu, M.F.A. Hand Book of Anthropometry. Charles. C. Thomas. Illinois.
- 3) Singh, I.P. Bhasin, M.K. Anthropometry. Bharti Bhawan, New Delhi.
- 4) Weiner, J.S. & Lourie. J.A. Human Biology: A Guide to Field Methods. I.B.P. Hand Book No. 9 Blackwell Scientific Publication, Oxford.
- 5) Mitra, M. 1990. Prayogik Manav Vigyan-Bhag -2. Madhya Pradesh Hindi Granth Academy (in Hindi).
- 6) Mitra, M. & Chaube, R. 2004. Prayogik Manav Vigyan (Sharirik) Bhag -2. Madhya Pradesh Hindi Granth Academy (in Hindi).

M.A./M.Sc. ANTHROPOLOGY SEMESTER-I

Lab Course II- Practicals in Osteology and Osteometry

MAX. Marks- 80 MIN. Marks - 27

Description of Human skeletal bones and its importance in biological anthropology, Osteology and forensic science.

Following Osteometric measurements are to be taken on bones.

CLAVICLE

Measurements

Maximum length

Vertical diameter in the middle

Sagittal diameter in middle

Girth in the middle

Breadths of curvature of shaft

Angles

Inner and outer

Indices

Caliber index

Cross section index

SCAPULA

Measurements

Anatomical breadth

Anatomical length

Length of Cranial border

Length of axillary border

Projective length of spine

Anatomical breadth of supra-spinous fossa

Anatomical breadth of infraspinous fossa

Length of Glenoid fossa

Breadth of glenoid fossa

Projective breadth of supraspinous fossa

Projective breadth of infraspinous fossa

Angles

Supraspinous angle

Infraspinous angle

Breadth-Length angle

Axillo-Spinal angle

Vertebral border angle

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Indices

Scapular index

Supra spinal index

Infra spinal index

Marginal index

Length breadth index of glenoid fossa

HUMERUS

Measurements

Maximum length

Breadth of proximal epiphysis

Breadth of distal epiphysis

Least girth of shaft

Maximum transverse diameter of head

Maximum Vertical diameter of Head

Maximum Diameter in middle

Girth in middle of shaft

Minimum diameter in middle

Angles

Torsion angle

Capito-diaphysial angle

Condylo-diaphysial angle

Indices

Caliber index

Cross-section index of shaft

Cross-section index of head

RADIUS

Measurements

Maximum length

Physiological length

Least girth of shaft

Transverse diameter of shaft

Sagittal diameter of shaft

Angles

Collo-diaphysial angle

Torsion angle

Indices

Caliber index

Cross section index of shaft

Curvature index

ULNA

Measurements

Maximum length

Physiological length

Least girth of shaft

Breadth of olecranon

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Height of olecranon

Angles

Olecranon- coronoid angle

Joint axis angle

Indices

Caliber index

Cross-section index of shaft

Curvature index

FEMUR

Measurements *

Maximum length

Trochanteric length

Sagittal diameter of middle of shaft

Physiological length

Transverse diameter of middle shaft

Girth of middle of shaft

Angles

Torsion angle,

Collo-diaphysial angle

Condylo diaphysial angle

Recommended Readings:

1) Singh, S.P. Kinanthropometry

2) Ashley Montagu, M.F.A. Hand Book of Anthropometry. Charles. C. Thomas. Illinois.

3) Singh, I.P. Bhasin, M.K. Anthropometry. Bharti Bhawan, New Delhi.

4) Weiner, J.S. & Lourie. J.A. Human Biology: A Guide to Field Methods. I.B.P. Hand Book No. 9 Blackwell Scientific Publication, Oxford.

5) Mitra, M. 1990. Prayogik Manav Vigyan- Bhag –2. Madhya Pradesh Hindi Granth

Academy (in Hindi).

6) Mitra, M. & Chaube, R. 2004. Prayogik Manav Vigyan (Sharirik) Bhag –2. Madhya Pradesh Hindi Granth Academy (in Hindi).

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