

M.A./M.Sc. ANTHROPOLOGY

Semester – IV  
Group-A : Physical Anthropology

January 2018-June 2018

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**M.A./M.Sc. ANTHROPOLOGY**  
**SEMESTER-IV**  
**GROUP - A: PHYSICAL ANTHROPOLOGY**  
**Paper- I Medical Genetics**

**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**

Medical Genetics: Meaning and scope; Application of Genetics in medicine. Causation of Genetic diseases/Syndrome defects/disorders. Methods in identification of Genetic Diseases: Pedigree method, Twin Method.

**UNIT II**

Skin- Ichthyosis, Baldness, Epiloia, the Porphyrias.  
The skeletal system – Marfan's Syndrome, Nail Patella Syndrome, Brachydactyly, Syndactyly, Polydactyly, Ankylosing Spondylitis, Rheumatoid arthritis.

**UNIT III**

Spinabifida and anencephaly.  
Osteogenesis imperfecta. Muscle – Muscular dystrophies.  
Eye – Glaucoma, cataract, retinoblastoma. Jaws – Hare lip and palate.  
Ears - Deafness. Alimentary system : Gastric and Duodenal Ulcers, Peptic Ulcers, Cirrhosis of liver

**UNIT IV**

Respiratory system – Cystic fibrosis.  
Cardio Vascular System – Congenital Heart Disease, Coronary Heart Diseases and Hypertension  
Kidney and Urino-Genital Tract – Polycystic Kidney Disease. Endocrine system – Cretinism, Goiter, Diabetes.

**Recommended Readings:**

1. Strachan, T. and Read, A.P. 1999. Human Molecular Genetics. BIOS Scientific Publishers Ltd.Oxford. (574.8732, STT H, 84237).
2. Human Genetics by A.G. Motulsky and F. Vogel
3. Medical Genetics by Lynn B. Jorde et al
4. Genetic counseling by Fuhrman and F. Vogel
5. Text book of Human Genetics by Fraser and Mayo
6. Molecular structure of Human Chromosome by J J Y
7. Emery, AEH, Elements of Medical Genetics

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**M.A./M.Sc. ANTHROPOLOGY**  
**SEMESTER-IV**  
**GROUP - A : PHYSICAL ANTHROPOLOGY**  
**Paper- II FORENSIC 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)
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**UNIT I**

Definition, Aims and scope of Forensic Anthropology, Collection and preservation of skeletal remains from crime scene, Assessment of time and cause of Death. Role of Forensic Anthropologist as Expert witness in court.

**UNIT II**

Establishment of Identity through skeletal remains. Anatomy of Human bones. Determination of Age, sex and ethnic.

Attribution of sex and reconstruction of stature from skeletal remains, human dentition for determination of sex, age and ethnic group.

**UNIT III**

Determination in Forensic Anthropology, Identification of finger and sole prints, details of ridge and crease character , analysis of Dermatoglyphic indices, Dermatoglyphic significance in Forensic Science.

**UNIT IV**

Personal Identification through somatometric and somatoscopic observation. Identification through hair, blood stains, Identification through blood, semen, urine and saliva in disputed paternity cases.

**Recommended Readings:**

1. Introduction to Forensic Anthropology-Surinder Nath
2. Action area in Anthropology-A.K.Kalla
3. Bass, W. M. Human Osteology: A Laboratory and Field Manual of the Human Skeleton. 4 the Human Skeleton.Missouri Archaeological Society, 1995.
4. Blau, Soren, and Douglas Ubelaker. Handbook of Forensic Archaeology and Anthropology. Left Coast Press, 2009.
5. Boddington, A., Garland, A. N., and Janaway, R. Death, Decay, and Reconstruction: Approaches to Archaeology and Forensic Science. Manchester University Press, c.1987.
6. Byers, Steven N. Introduction to Forensic Anthropology. 4th ed. Prentice Hall, 2010.

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7. Haglund, William D., Marcella H. Sorg, and Diane L. France. Human Remains: Recognition, Documentation, Recovery, and Preservation. CRC Press, c. 2002.
8. Haglund, William D., and Marcella H. Sorg. Advances in Forensic Taphonomy: Method, Theory, and Archaeological Perspectives. CRC Press, c. 2002.
9. Iscan, Mehmet Yasar, and Kennedy, K. A. R. Reconstruction of Life from the Skeleton. Alan Liss, 1989.
10. Komar, Debra, and Jane Buikstra. Forensic Anthropology: Contemporary Theory and Practice. Oxford University Press, 2007.
11. Krogman, Wilton Marion, and Iscan, Mehmet Yasar. The Human Skeleton in Forensic Medicine. Charles C. Thomas, 1986.
12. Steele, D. Gentry, and Bramblett, Claude A. The Anatomy and Biology of the Human Skeleton. 1st ed. Texas A&M University Press, c.1988.
13. Stewart, Thomas Dale. Essentials of Forensic Anthropology. Forward by Ellis R. Kerley. Charles C. Thomas, c1979.
14. Taylor, Karen. Forensic Art and Illustration. CRC Press, 2001.
15. Ubelaker, Douglas H. Human Skeletal Remains: Excavation, Analysis, and Interpretation. 2nd ed. Taraxacum, 1989.
16. White, Tom D., and Pieter A. Folkens. The Human Bone Manual. Academic Press, 2005.

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**M.A./M.Sc. ANTHROPOLOGY**  
**SEMESTER-IV**  
**GROUP – A and B**  
**Dissertation/ Project work**

MM-400

In Semester IV (Group-A and Group-B) students are required to undertake a Dissertation/Project work consisting of approximately one-month preparatory work, approximately three –fourth weeks of field investigation, approximately two months for Lab work and / or data analysis and completion of the Dissertation/Project work.

The Dissertation will be selected in consultation with the faculty members decided by Head of the department, according to their specialization. Dissertations/Project work will typically be a document of about 100-150 pages with sections in the following sequence: Introduction, Objectives, Hypothesis (if necessary), Research design/ Methodology, Results, Discussion, Conclusion and Suggestions, Literature cited etc.

Presentation and Viva-Voce of the Dissertation/Project work will be in the presence of External examiner and faculty of the department.

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**M.A./M.Sc. ANTHROPOLOGY  
SEMESTER-IV  
GROUP - B : SOCIAL ANTHROPOLOGY**

**PAPER-I Disaster Management, Displacement & Rehabilitation**

Max. Marks- 80  
Min. Marks - 27

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

Definition of disaster, Nature of disaster, Anthropological prospective on disaster: Natural and man made disaster. Natural disaster: Causes and classification. People"s perception of disaster. Folklore of disaster.

**Unit-II**

Natural situation of displacement: Floods, Epidemics, Famines, Earthquakes, Fire, Cyclones. Manmade: Chemical and nuclear leaks, Wars: Terrorism in India, ethnic conflicts: Naxalism/Maoism.

**Unit-III**

Development and Displacement: Dams, Roads and Railways, Development of cities. Establishment of industries, National Parks and Sanctuaries. Defence projects.

**Unit-IV**

Rehabilitation policies of disaster management, Human factor and rehabilitation: Anthropological prospective. Group coordination for relocating/ reorganization of religious places. Restoration of families and organizing help for shelter, food and medical treatment.

**Recommended Readings**

1. Bose, B.P.C. Disaster Policies and Administration: A Study of Three Andhra Disasters
2. Cohen, Stephen P. and C.V. Raghavulu : The Andhra Cyclone of 1977. Individual and Institutional Responses to Mass Death
3. Fernandes, Walter and Enakshi Ganduli Development, Displacement and Rehabilitation.

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**M.A. / M.Sc. Anthropology**  
**Semester-IV-Group-B:**  
**SOCIAL ANTHROPOLOGY**  
**Paper II – Development Anthropology**

Max. Marks- 80  
Max.Marks - 27

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**Unit- I**

Development: Meaning and evolution of the concept..

Indices and measurements of development.

Development theories and Models.

Contributions of Anthropology to development studies,

Development studies' contribution to anthropological thought and method.

Moral / Ethical issues and limitations of development Anthropology.

**Unit-II**

Policy and Planning: Concept of planning, formulation of policy and plan strategy - phases, targets, regions, resources and people; Participatory Approach in development, Anthropological perspectives and data in development planning. Conflict in people centred and programme centred paradigms.

Agencies for development: Governmental and non-governmental, approaches, models, administration, training man power, peoples participation

**Unit-III**

Evaluation and Impact: Indices and measures; anthropological approaches — assessment of social impact, evaluation of development programmes. Gender issues in development.

Role of values and institutions in development: Caste, religion and culture - Weber, Bailey, Epstein, Milton Singer and Madan

Rural Development in India: Historical background; special programmes and poverty alleviation programmes. Land reforms; Panchayati Raj; community based organisations

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## Unit-IV

Development of Scheduled Castes: Special component plans. Development of Scheduled caste: Constitutional provisions and safeguards, protective legislation; structure of tribal development

Sustainable development: Environment, natural resources, people' concerns and needs.

Case Studies in Development , NGO case studies in different regions. Success stories in cooperative management.

### Recommended Readings:

1. Zamora, D. Mario. Perspective on cultural change and Development.
2. Vorhies et al. The Politics of Hunger
3. Rogers Everll, Communication and Development: Critical Perspectives
4. Chambers Robert. Rural Development.
5. Kapoor & Singh. Rural Development Through NGOs
6. Cochrane. Development Anthropology
7. Dalton, George (Ed), Economic Development and Social change
8. Foster, G.M. Traditional Cultures and Impact of Technological change
9. Chansarkar, B.A. Models for Planning in India
10. Krishnamachari, V.T. Community Development in India
11. Tax Sol Anthropology
12. Vidyarthi L.P. (Ed). Applied Anthropology in India
13. Upadhyay, V.S. & Pandey Gaya. Vikasatmak Manavvigyan (in Hindi), Madhya Pradesh Hindi Granth Academy, Bhopal
14. Schumacher, E. F. Small is Beautiful

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**M.A./M.Sc. ANTHROPOLOGY**  
**SEMESTER-IV**  
**GROUP – A and B**  
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Three typed copies of analyzed data is to be submitted in the department in the form of a Dissertation/ Project Report

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