

Detail Course Contain CBCS

M.A. Semester Anthropology

M.A. Semester- I

M1- ANTCC-01- Social and Cultural Anthropology

Unit I

Introduction: Aim and Scope of Social and Cultural Anthropology; Relationship of social and cultural Anthropology with other branches of anthropology; Relationship of social and cultural Anthropology with allied subject like Sociology, Political Science, Psychology, History, Economics.

Unit II

Concepts in Social and Cultural anthropology: society, institution, organization and social structure, culture, culture trait, culture complex, culture area, ethnocentrism, culture relativism, culture pluralism, multiculturalism and syncretism

Unit III

Understanding Social Institutions: Definition, types and function of Marriage, rules of Marriage, marriage payment, recent changes in Marriage; Definition, types and function of Family, recent changes in family.

Unit IV

Process of cultural change: Folk-urban continuum; Tribe- caste continuum; Tribe-peasant continuum; Innovation; Diffusion; spontaneous and induced cultural change; Revitalization; Acculturation; Modernization; Westernization; Globalization.

Unit V

Kinship System in India: Definition of kinship, rules of descent, lineage, clan, phratry, moiety, kinship terminology, category , term of address, term of reference, kinship behavior, Importance of kinship in India.

Recommended readings:

1. Beattie, J. 1966. *Other Cultures*. Routledge and Kegan Paul, London.
2. Danda, A. K. 1995. *Foundations of Anthropology*. M.C Mittal, India
3. Durkheim, Emile. 1995. *Elementary Forms of Religious Life*. The Free Press, New York.
4. Ember, C.R and Ember, M and Peregrine, P.N. 2007. *Anthropology*. Pearson, London.
5. Eriksen, T. H. 2004. *What is Anthropology?* Pluto Press, England.
6. Fox, R.1967. *Kinship and Marriage*. Pelican, Baltimore.
7. Haviland, W.M and Prins, H.E.L and Walrath, D and McBride, B. 2007. *Introduction to Anthropology*. Wadsworth Cengage Learning, New Delhi.
8. Herskovits, M.J. 1969. *Handbook of cultural and social Anthropology*. Oxford University Press, New Delhi.
9. Jha, Makhan. 1999. *An introduction to Social Anthropology*. Vikas Publishing House Pvt Ltd, Delhi.
10. Kapadia, K. M. 1966. *Marriage and Family in India*. Oxford University Press, New Delhi.
11. Karsten, R. 1935. *The origin of Religion*. Kegan Paul, Trench, Trubner and Co. Ltd, London.
12. Majumdar, D. N. and T.N. Madan. 1997. *An Introduction to Social Anthropology*. Asia Publishing House, New Delhi.

13. Miller, B. 2011. *Cultural Anthropology* (6th ed). PHI Learning Private Limited, New Delhi.
14. Monaghan, J and Just, P. 2000 *Social and Cultural Anthropology: A very Short Introduction*. Oxford University Press, New Delhi.
15. Nathan, Dev (ed.) 1997. *From Tribe to Caste*. IAS. Shimla.
16. O’dea, T. F. 1983. *The Sociology of Religion*. Prentice Hall, New Jersey.
17. Parkin, R. 1997. *Kinship: An introduction to the basic concept*. Blackwell, Great Britain.
18. Sarana, Gopala. 1977. *Introducing Anthropology*. Indian Anthropological Society. Calcutta.
19. Uberoi, P. 1994. *Family, Kinship and Marriage in India*. OUP. New Delhi.

Further readings:

1. Anderson, N. 1960. *Our Industrial Urban civilization*. Asia Publishing House, New Delhi.
2. Chakbarti, S and A. Basu. 2012. *The Science of Man*. The Indian Anthropological Society, Kolkata.
3. Firth, R. W. 2000. *Elements of Social Organization*. Beacon Press, Boston.
4. Karve, I. 1968. *Kinship organization in India*. Asia Publishing House, Bombay.
5. Linton, R. 1936. *The study of Man*. Appleton Century Crats, New York.
6. Mayer, A.C. 1960. *Caste and kinship in central India*. Routledge, London.
7. Murdock, G.F. 1949. *Social structure*. Free Press, New York.
8. Ross, A.D. 1966. *The Hindu Family in Urban settings*. University of Toronto Press, Toronto.

M1-ANTCC-02- Physical Anthropology

Unit I

Introduction: Aim, scope and historical development of physical anthropology; relationship of physical anthropology with other branches of anthropology; relationship with Forensic Science, Human Biology, Demography, Paleontology and Genetics; Physical Anthropology vs Biological Anthropology.

Unit II

Heredity: Cell, Cell Divisions, Chromosome, gene and allele; structure of DNA; Mendelian Principles of inheritance; Patterns of inheritance – autosomal dominant, autosomal recessive, sex-linked; Gene-environment interaction; Methods of studying Heredity

Unit III

Organic Evolution: Concept of micro and macro evolution; Process and principles of evolution – convergence, parallelism, adaptive radiation, speciation and irreversibility; Theories of organic evolution – Lamarckism, Neo-Lamarckism, Darwinism, Neo-Darwinism and Synthetic theory.

Unit IV

Human as Primate: Fossil records of earliest Primates; Distribution, classification and characteristic of living primates; comparison between human and Apes; Anatomical changes in human skeleton due to assumption of erect posture and bipedalism: Skull, Vertebrate column, Pelvis, thigh bone and foot; brain evolution.

Unit V

Physical Anthropology : Importance of Physical Anthropology, human development and evolution concept, Darwin: Evolution and Herbert Spencer: social evolution.

Recommended readings:

1. Buettner- Janusch, J, 1965. *Origins of Man*. Wiley Eastern Pvt. Ltd., New Delhi.

2. Ciochon, R.L. 2011. *Introduction to Physical Anthropology* (13th ed). Wadsworth Cengage Learning, Belmont.
3. Haviland, W.A., Prins, H.E.L., Walrath, D. and McBride, B. 2011. *Anthropology: The human Challenge* (13th ed). Wadsworth Cengage Learning, Belmont.
4. Jurmain, R., Kilgore, L. and Trevathan, W. 2010. *Essentials of Physical Anthropology* (8th ed). Wadsworth Cengage Learning, Belmont.
5. Roy, I.B. 2003. *Anthropology: The study of man*. S Chand and Co. Ltd., New Delhi.
6. Shukla, B.R.K. and Rastogi, S. 2002. *Physical Anthropology and Human Genetics: An introduction*. Palaka Prakashan, Delhi.
7. Singh, I.P. and Bhasin, M.K. 1989. *Anthropometry*. Kamla Raj Enterprises, New Delhi.
8. Stanford. C., Allen, S.J. and Antón, S.C. 2013. *Biological Anthropology – the natural history of mankind* (3rd ed). Pearson, New York.
9. Stein, P. and Rowe, B.M. 2010. *Physical Anthropology* (10th ed). McGraw Hill Book Co., New York.
10. Swindler, D.R. 2004. *Introduction to the Primates*. Overseas Press India Pvt. Ltd., New Delhi.
11. Vokendro H. 2017. *Foundation of Physical Anthropology: Simplified and Analytic*. Akansha, Delhi

Further readings:

1. Fagan, B.M. 2010. *Cro-Magnon: How the Ice Age Gave Birth to the First Modern Humans*. Bloomsbury Press. New Delhi
2. Groves, C.P and Cameron D.W. 2004. *Bones, Stones and Molecules: "Out of Africa" and Human Origins*. Elsevier Academic Press, UK.
3. Relethford, J. 2004. *The Human Species: An Introduction to Biological Anthropology*. McGraw-Hill, New Delhi

4. Stone, L., Lurquin, P.F. and Cavalli-Sforza, L.L. 2006. *Genes, Culture, and Human Evolution: A Synthesis*. Wiley-Blackwell, USA.
5. Tattersall, I. 2012. *Masters of the Planet*. Palgrave Macmillan, USA.
6. Ulijaszek, S.J. and Mascie-Taylor, C.G.N. 2005. *Anthropometry*, Cambridge University Press, UK.

M1- ANTCC-03- Archeological Anthropology

Unit I

Introduction: Definition, aims and objectives of archeological anthropology; relation with other branches of anthropology; allied subjects: History, Geography, Geology and Paleontology

Unit II

Geological Time Scale and Dating Methods: Geological Time Scale, Pleistocene and Holocene epoch; Dating methods in archeology: relative (Stratigraphy, Dendrochronology, Thermoluminescence,) and absolute (Fluorine Test, Radio Carbon, Potassium Argon)

Unit III

Reconstruction of the archeological period: Tools and technology of Paleolithic Period, Mesolithic Period, Neolithic Period; The Neolithic Revolution; Megalithic Traditions; Chalcolithic Period; Iron Age.

Unit IV

Modern Trends in Archeology: Cultural Resource Management, Heritage studies and interdisciplinary approach; Museum Methods, Historical Approach, Numismatics, fieldwork methods in archeological anthropology: exploration and excavation.

Unit V

Importance of archeology: Anthropology and archeology, tribal area and anthropology , Major Fields of archeological anthropology – ethno archeology, environmental archeology and new archeology. Latest developments in archeological discovery.

Recommended readings:

1. Allchin, B. and R. Allchin. 1982. *The Rise of Civilization in India and Pakistan*. Cambridge.
2. Ashraf, A. A. 1990. *Prehistory of Arunachal Pradesh*. Directorate of Research, Itanagar, Arunachal Pradesh.
3. Bhattacharya, D.K. 1989. *An Outline of Indian Prehistory*. Palaka Prakashan, New Delhi.
4. Bhattacharya, D.K. 1997. *Prehistoric Archeology*. Hindustan Publishing Corporation, New Delhi.
5. Burkitt, M.C. 1963. *Old Stone Age: A Study of Paleolithic Times*. Anthenium, New York.
6. Habib, Irfan. 2002. *The Indus Valley Civilization*. Aligarh Historians Society, published by Tulika Books, New Delhi.
7. Haviland, W.A., Prins H.E.L. Walrath, D. and McBride B. 2007. *Introduction to Anthropology*. Belmont: Wadsworth Engage Learning, New Delhi (Indian Edition).
8. Oakely, K.P. 1972. *Man, The Tool Maker*. British Museum (Natural History), London.
9. Sankalia, H.D. 1974. *Prehistory and Protohistory of India and Pakistan*. Deccan College, Poona.
10. Sharma, Dhritiman. 2012. *Glimpses of Northeast India Archeology*. Eastern Book House, Guwahati.

11. Wheeler, Mortimer. 1968. *Early India and Pakistan*. Thames and Hudson, London.

Further reading:

1. Chakrabarti, Dilip K. 2001. *Archeological Geography of the Ganga Plain, The Source and the Middle Ganga*. Orient Blackswan, Hyderabad.
2. Chakrabarti, S.B. and A. Basu (ed.) 2012. *The Science of Man*. The Indian Anthropological Society, Kolkata.
3. Gait, Edward. A. 2011. *A History of Assam*. Spectrum Publications, Guwahati.
4. Ray, H.P. 2010. *Colonial Archeology in South Asia*. Eastern Book House, Guwahati.
5. Sharma. T.C. (ed.) 1980. *Eastern Himalayas*. Cosmo Publications, New Delhi.
6. Singh. J.P. (ed.) 1991. *Archeology of Northeastern India*, New Delhi.
7. Srivastava, A.L. 2011. *Indian Iconography*. Eastern Book House, Guwahati.
8. Tada, Tage, J.C. Dutta and N. Deori. 2012. *Archeological Heritage of Arunachal Pradesh: Discoveries from 1911-2011*. Directorate of Research, Arunachal Pradesh.
9. Tripathi, S. 2003. *Maritime Archeology for Beginners*. Eastern Book House, Guwahati.

M1-ANTCC-04- Anthropological Methods

Unit I

Fieldwork and Anthropology: Fieldwork tradition in anthropology- British and American tradition, ethnography, ethics of Anthropological field work; field note; field diary; establishment of rapport

Unit II

Preparing for the field: Types of research; research problem; statement of problem; hypothesis; formulation of research questions; review of literature; research design; pilot study; sampling

Unit III

Methods, technique and tools: Observation, Interview, Schedule, Questionnaire, use of field guide, key informants, genealogical method; Case study, Biographical method (life history), Audio-visual, participatory methods.

Unit IV

Analysis of data and report writing: Classification and analysis of field data; tabulation, diagrammatic representation (histogram, frequency polygon, pie-chart, bar chart, column chart), measures of Central Tendency (Mean, Mode, Median), measures of dispersions (variation and standard deviation); references and bibliography; appendices

Unit V

Analysis of data and report writing: Measures of Central Tendency (Mean, Mode, Median), measures of dispersions (variation and standard deviation); references and bibliography; appendices.

Recommended readings:

1. Bernard, H. R. 2002. *Research Methods in Anthropology*. Altamira press, New York.
2. Bose P. K. 1994. *Research Methodology*. ICSSR, New Delhi.
3. Bryman, A. 2008. *Social Research Methods*. Oxford University Press, New York.

4. Danda A. K. 1992. *Research Methods in Anthropology*. Inter- India Publication, New Delhi.
5. Ellen, R. F. 1984. *Ethnographic Research: A guide to general conduct*. Academic Press, New York.
6. Fetterman, D. M. 1989. *Ethnography step by step*. Sage Publication, New Delhi.
7. Kumar, R. 2011. *Research Methodology: A Step-by-Step guide for beginners*. Sage Publication India Pvt Ltd, New Delhi.
8. Pelto, P.J. and G.H. Pelto. 1986. *Anthropological Research: The structure of inquiry*. Cambridge University Press, London.
9. Sarana, Gopala. 1975. *Methodology of Anthropology*. University of Arizona, New York.
10. Srivastava, V. K. (Ed.). 2004. *Methodology and Fieldwork*. Oxford University Press, New Delhi.
11. Young, P.V. 1988. *Scientific Survey and Research*. Prentice Hall, New Delhi.

Further readings:

1. Barnes, J. A. 1977. *The Ethics of enquiry in Social Science*. Oxford University Press, New Delhi.
2. Bose P.K. 1994. *Research Methodology*. ICSSR, New Delhi.
3. Danda A.K. 1992. *Research Methods in Anthropology*. OUP, Delhi.
4. Epstein, A. L. 1978. *Crafts in Social Anthropology*. Hindustan Publication, Delhi.
5. Ghosh, B. N. 1985. *Scientific Method and Social Research*. Sterling Publisher, New Delhi.
6. Halbar, B. G and C. G. Hussain Khan. 1991. *Relevance of Anthropology: The Indian Scenario*. Rawat Publication, Jaipur.
7. Srinivas, M.N. (ed) 1958. *Methods in Social Anthropology (Essays by Radcliffe Brown)*.

8. Srivastava, A.R.N. 2013. *Essentials of Cultural Anthropology*. PHI Learning Pvt. Ltd. Delhi.
9. Thapan, M. 1998. *Anthropological Journeys: Reflections of fieldwork*. Orient Longman, New Delhi.
10. Yim, Robert K. 1993. *Application of case study Research*, vol-34, Applied Social Research Method series, New Delhi.

M1-ANTCC-05 - PracticalI

Part A: Physical Anthropology (40 marks)

1. Osteology (10 marks)

(Description and identification of the disarticulated skeleton of human)

Skull; Clavicle; Scapula; Vertebral column; Humerus; Radius; Ulna; Os-innominate; Femur; Patella; Tibia; Fibula.

2. Somatometry (10 marks)

Maximum Head Length; Maximum Head Breadth; Minimum Frontal Breadth; Breadth Of Bizygomatic Arch; Bigonial Breadth; Nasal Height; Nasal Length; Nasal Breadth; Physiognomic Facial Height; Morphological Facial Height; Physiognomic Upper Facial Height; Morphological Upper Facial Height; Head Circumference; Head Vertex; Sitting Height Vertex; Body Weight.

3. Somatoscopy (5 marks)

Head form; Hair (color, texture, form); Facial form; Eye (eye lid opening, eye fold, eye color); Nose (nasal bridge, nasal septum, nasal root); Skin color.

Part B: Archaeological Anthropology (30 marks)

1. Identification, description and drawing of stone tools (10 marks)
2. Identification, reconstruction, description and drawing of potsherds (5 marks)

M1ANTCC06- Computer Skill and Data Analysis#

Module-I Fundamentals of Computer (20 hours)

Impact of computer on society. History of computers computer generations. Types of Computers. Characteristics of computers. Number System Binary, Octal and Hexa Decimal, Character representation. Block diagram of Computer, CPU, CPUs used in computers Memory, RAM and ROM, Input Output devices, Keyboard, Mouse, magnetic Ink Character Recognition, Optical Mark Reader, Visual Display Unit, Printers (Dot Metrics, Inkjet, Laser jet Printers), Secondary Storage Device and Media : Floppy Disk Drives, Fixed Disk Drives, CDROM Drives Cartridge Tape Drives, Computer Interfaces, Bus & Ports (Elementary ideas Only). ISA, PCI Bus, IDE Interface, Graphics Accelerator & Display card, Serial and parallel ports. Specifications of standard computer system and peripherals. Computer system and peripherals. Computer Software (Brief idea only). Operating System Software, Application Packages, Compilers, Editor, Computer Viruses, Introduction to Multimedia & Desk Top Publishing (Definition, advantages, requirement of hardware & software). Computer Networks (Brief idea only): Computer networking and its advantages, different types of networks, Different Network Softwares, Modern, Internet and Intranet, e-mail, World Wide Web.

Module-II Programming Fundamentals and Operating System Softwares (10 hours)

Development of algorithm, Flow charts symbols, advantages, flow charts for simple

computation, scientific, statistical and business problems Disk Operating System (Dos), Internal and External commands, batch file, Configuration and System files important features of Windows 95.

Module-III Electronic Spreadsheet and Database (20 hours)

Introduction to Spreadsheets : Electronic Spreadsheet and its advantages. Popular Spreadsheet packages, worksheet and Workbook, General Editing and Formatting facilities, Macros, Mathematical and Statistical functions, String and Logical functions, creating formulas and auditing workbooks, charts, maps, drawings and important pictures. Lists and Tables, Analysing data with pivot tables, analysing statistical data.

Introduction to database and FoxPro FoxPro Menu system, Database structure and field types, Listing contents of a database file, viewing and editing data, memo, field and file utilities, sorting and indexing data base files, printing reports, programming with Foxpro, Using multiple data base files. Designing custom screens, debugging techniques.

Module-IV Familiarity to Software Packages (10 hours)

Brief introduction to important Terminology, Facilities, Features and

Applications of the one of the following

C) SPSS D) GIS

M.A. SEMESTER- II

M2- ANTCC-07- Anthropology in India

Unit I

Origin and Growth of Anthropology in India: The British legacy; position of Anthropology as a body of knowledge in Indian Classical text; Anthropology in pre and post Independent India; Critical Perspective on Indian Anthropology.

Unit II

Social structure and Process of change in India: Caste structure, tribal social structure; sanskritization, westernization, detribalization; Retribalization; Great and Little Traditions; Universalization and Parochialization; Sacred Complex.

Unit III

Pre and Proto History in India: Paleolithic culture in India (Hathnora), Mesolithic culture in India (Bhimbetka), Neolithic culture in India (Bruzahom), Chalcolithic culture in India.

Unit IV

Development of Indian anthropology: S.C. Roy, N.K. Bose, D.N. Majumdar, S.C. Dube, L.P. Vidyarthi.

Unit V

Contribution of Indian Anthropologists: L. K. Ananthakrishna Iyer, Verrier Elwin, C.V.F. Haimendorf, B. S Guha, B. M Das.

Recommended readings:

1. Chakrabarti, S.B. 1986. *Around the Plough*. Anthropological Survey of India, Calcutta.
2. Danda, A. K and D Danda. 2010. *Anthropology in India: Current Epistemology and Future Challenges*. INCAA, Kolkata.
3. Danda, A. K, K. K. Basa and K. K. Mishra. 2012. *Plural Nature of Anthropology*. INCAA, Kolkata.
4. Danda, A. K. 1995. *Foundation of Anthropology: India*. Inter-India Publications, New Delhi.
5. Dube, S.C. 1955. *Indian Village*. Routledge and Kegan Paul, London.
6. Dube, S.C. 1962. *India's Changing Village*. Allied, Bombay.
7. Ghurye, G. S. 1950. *Caste and Class in India*. Popular Prakashan, Bombay.
8. Sankalia, H.D. 1974. *Prehistory and Protohistory of India and Pakistan*. Deccan College, Poona.
9. Gupta, D (Ed.). 1993. *Social Stratification*. Oxford University Press, Delhi.
10. Hutton J. H. 1963. *Caste in India: Its Nature, Function and Origin*. Oxford University Press, Bombay.
11. Karlsson, Bengt G and T.B. Subba (ed). 2006. *Indigeneity in India*. Kegan Paul Limited, London.
12. Lewis, Oscar. 1958. *Village Life in Northern India*. University of Illinois Press, Urbana.
13. Marriot, M. 1955. *Village India: Studies in the Little Community*. The University of Chicago Press, Chicago.
14. Srinivas M. N. (Ed.). 1960. *India's village*. Media Promoters and Publisher Pvt. Ltd. Bombay.
15. Vidyarthi, L. P. 1975. *Rise of Anthropology in India*. 2 vols. Concept, Delhi.

16. Vidyarthi, L. P. 1978. *Sacred Complex of Gaya*. Concept Publishing Company, Delhi.

M2-ANTCC-08- Ecological Anthropology

Unit I

Introduction: Meaning, aim and scope of Ecological Anthropology; approaches in ecological Anthropology (Leslie White, Julian Steward, Marshal Sahlin)

Unit II

Management and utilization of resources: Utilization of environmental resources in pre-literate societies – hunting and food gathering, pastoralism and shifting cultivation.

Unit III

Bio-diversity Conservation: Concept of bio-diversity and implication for human population; conservation strategies; indigenous ecological knowledge system; sacred grove.

Unit IV

Environmental movements: Environmental movements in India – Silent valley movement, Chipko movement, Narmada Bachao Movement; emerging ecological issues in northeast India.

Unit V

Emerging Issue : Sustainable Development , Climate Change : air, Water and Forest (Issues & Challenges).

Recommended readings:

1. Bhasin, V. 1989. Ecology, culture and change: Tribals of Sikkim. Inter-India, New Delhi
2. Bresler, J.B. 1996. Human Ecology: Collected Readings. Addison-Wesley. Mass
3. . Butzer, K.W. 1982. Archaeology as Human Ecology. Cambridge University Press.
4. Guha, R. 1994. Social Ecology, OUP, New Delhi.
5. Hardesty, L.L 1977. Ecological Anthropology. Wiley Eastern, London.
6. Kothari, A., Pathak N., Anuradha R.V. and Taneja, B. 1998. Communities and conservation: Natural Resource Management in South and Central Asia, Sage Publication, New Delhi.
7. Negi, S.S. 1991. Environmental degradation and crisis in India. Indus publication. Delhi.
8. Rama Krishnan, P.S. 2000. Maurtain Bio-diversity, Land use Dynamies and Traditional Ecological knowledge. OUP, Calcutta.
9. Rao, G.M. and Centre, P.R.S. 1998. Nurturing Bio-diversity: An Indian Agenda, Environmental Education, Ahmedabad.
10. Schutkowski, H. 2006. Human Ecology: Biocultural Adaptations in Human Communities. Springer, USA

M2-ANTCC-09- Human Evolution and Variation

Unit I

Introduction: Problems and limitation in study fossil records; Early Hominin: Pre Australopithecines fossil records; Characteristic and distribution of Aus. Afarensis, Aus. Africanus, Paranthropines; Phylogenetic position of Australopithecines.

Unit II

Early Homo: Characteristic and Distribution of –Homo Habilis, Homo erectus, Homo naledi; Archaic Homo Sapiens and Neanderthal.

Unit III

Emergence and dispersal of Homo sapiens: Characteristic and geographical distribution of early humans; theories of human origin - multiregional theory; out of Africa theory; Neanderthal admixture theory.

Unit IV

Race: Concept of race; three major races of the world; racial formation; criteria for racial classification; UNESCO statement of Race.

Unit V

Racial classification of Indian population – Risley's, Sarkar's and Guha's classification.

Recommended readings:

1. Buettner-Janusch, J, 1965. Origins of Man. Wiley Eastern Pvt. Ltd., New Delhi.
2. Ciochon, R.L. 2011. Introduction to Physical Anthropology (13th ed). Wadsworth Cengage Learning, Belmont.
3. Haviland, W.A., Prins, H.E.L., Walrath, D. and McBride, B. 2011. Anthropology: The human Challenge (13th ed). Wadsworth Cengage Learning, Belmont.
4. Jurmain, R., Kilgore, L. and Trevathan, W. 2010. Essentials of Physical Anthropology (8th ed). Wadsworth Cengage Learning, Belmont.
5. Roy, I.B. 2003. Anthropology: The study of man. S Chand and Co. Ltd., New Delhi.

6. Stanford, C., Allen, S.J. and Antón, S.C. 2013. Biological Anthropology – the natural history of mankind (3rd ed). Pearson, New York.
7. Stein, P. and Rowe, B.M. 2010. Physical Anthropology (10th ed). McGraw Hill Book Co., New York.

M2-ANTCC-10- Fieldwork and Report Writing

In this paper students will be taken for fieldwork in different parts of India. Fieldwork will be carried out for minimum 18 days and for that students will be accompanied by faculty member(s) as a field guide. The purpose of this paper is to introduce the students with the significance of fieldwork as being the hallmark of anthropology. It also intends to teach the students for conducting fieldwork by applying various conventional anthropological methods as well as to train them to face any kind of challenges that might come up in the field. After the completion of fieldwork, each student will have to prepare a field report under the supervision of field guide. Finally the field report will be examined by the external expert and accordingly mark will be credited.

(Break-up Marks: 20 marks for⇒ internal assessment; 50 marks for⇒ Field Report; 30 marks for⇒ viva voce)

M2-ANTCC-11- Practical II

Part A (70 marks)

1. Serology (10 marks)

ABO blood group system; Rh blood group system

2. Dermatoglyphics

Finger Print; Palmar Print (30 marks)

3. PTC (5 marks)

4. Colour Blindness (5 marks)

Part B (30 marks)

Reading of Ethnography

Students need to review of the selected ethnographic work

M2-ANTCC-12- Skill English Communication

Paper –VII-B: English Communication

Paper code: M2PHY07-SP01B

1. Teaching hours: 4 hours/ week with total 40 hours in the semester.
2. The internal marks: 10.
3. The external examination scheme will be as under and it will be conducted by the external examiner.

Duration: 3 hours, Max. marks: 40, the student needs to audit pass.

The syllabus comprises of five units based upon syllabus of IELTS examination:

UNIT-I

Listening section-I: These include questions which test student's ability to understand main ideas and detailed factual information, ability to understand the opinions and attitudes of speakers, ability to understand the purpose of an utterance and the ability to follow the development of ideas.

1. A conversation between two people on an everyday, social topic. This means that student will listen to two people talking to each other about arranging a trip, organizing an event, etc.
2. This is a talk by one speaker on a general topic. This means that student listens to one person giving information about a public event, a service provided, etc.

UNIT-II

Listening section-II:

1. This is a conversation between two to four people in an educational or training context. This means that student listens to up to four people talking to each other about an assignment for a course, an academic subject in a seminar, etc.
2. This is a monologue on an academic or study-related topic. This means student will listen a person given lecture or talk, which is focused academically.

UNIT-III

Reading section: These including reading for gist, reading for main ideas, reading for detail, skimming, understanding logical argument, recognizing writers' opinions, attitudes and purpose.

UNIT-IV

Writing section: The students need to know the rules or writing and structure of writing. How does one write reflects how one process one's thoughts. To develop students writing style, students needs to stick to the rules and practice writing a lot. Here teacher needs to explain the Writing section of the IELTS in detail.

Speaking Section: It involves a one to one interaction between the students and examiner. This section includes three parts which give students the examiner a chance to check the student's range of different speaking skills.

Reference Book:-Cambridge English for IELTS.

M.A. III- Semester

M3-ANTCC-13- Theories of Anthropolog

Unit I

Rise of Anthropological theories:

Evolutionism – contribution of E. B. Taylor, Herbert Spencer and L. H. Morgan;
Diffusionism – Basic ideas, British, German and American Schools; Neo-evolutionists – V. G. Child, J. Steward and L. A. White

Unit II

Rise of functionalism: early functionalism (Emile Durkheim); Functionalism in Anthropology and links with psychology and biology (Bronislaw Malinowski), Historical particularism by Franz Boas

Unit III

Rise of Structural: Functionalism approach in Anthropology by A.R. Radcliffe Brown; modification of Structural-Functionalism by EvansPritchard, Meyer Fortes, Raymond Firth, Claude Levis-Strauss

Unit IV

Recent development in theory: Post-modernism, Poststructuralism; Interpretive Approaches.

Unit V

Colonialism and its impact on anthropological theory: concept of primitive, evolution, function and diffusion, culture contact and development.

Recommended readings:

1. Barnard, A. 2004. *History and Theory in Anthropology*. Cambridge University Press, Cambridge.
2. Bloch, M. 1985. *Marxism and Anthropology: The History of a Relationship*. Oxford University Press, New York.
3. Harris, M. 1968. *Rise of Anthropological Theory*. Thomas Y. Crowell Company, New York
4. Layton, R. 1997. *An Introduction to Theory in Anthropology*. Cambridge University Press, Cambridge. 5. Levi-Strauss, C. 1963. *Structural Anthropology*. Basic Book, New York.
6. Lowie, R. H. 1937. *The History of Ethnological Theory*. Rinehart and Winston, New York.
7. Moore, J. D. 1997. *Visions of Culture: An Introduction to Anthropological Theories and Theorists*. Walnut Creek, CA: AltaMira Press.
8. Morgan, L. H. 1877. *Ancient Society*. World Publishing, New York.
9. Radcliff-Brown, A. R. 1952. *Structure and Function in Primitive Society*. Routledge and Kegan Paul, London.
10. Robert, R. 1941. *Folk Culture of Yukatam*. Chicago University Press, Chicago. 21
11. Said, E. W. 1978. *Orientalism*. Pantheon, New York.
12. Tylor, E. B. 1871. *Primitive Culture: Researches into the development of Mythology, Philosophy, Religion, Language, Art and Customs*. J. Murry, London.
13. Upadhyay, V.S and Gaya Pandey. 1997. *History of Anthropological Thought*. Concept Publishing Company, New Delhi.

Further readings:

1. Firth, R. 1957. Man and culture: An Evaluation of the Work of Bronislaw Malinowski. Routledge and Kegan Paul, London.
2. Leach, E. 1961. Rethinking Anthropology. Athlone Press, London.
3. Radcliffe- Brown, A. R. 1948. A Natural Science of the Society. Free Press, New York.
4. Anderson, S. (ed.). 1971. Herbert Spencer: Structure, Function and Evolution. Thomas Nelson and Sons, London.
5. Denzin, N. K. 1997. Interpretive Ethnography: Ethnographic Practices for the 21st Century. Thousand Oaks, CA, Sage Publication.

M3-ANTCC-14- Health and Culture

Unit I

Introduction: Scope of Medical Anthropology; development of Medical Anthropology; Concept and Definition of Culture and Health; relationship between culture and health; Theoretical Approaches in Medical Anthropology

Unit II

Illness and Disease: Concept of disease and illness; socio-cultural dimensions of health; ethno-psychiatry; cultural concept of normalcy and abnormalcy; culture-bound syndromes; occupational and life-style ailments

Unit III

Etiology and Healing: Personalistic and naturalistic approaches of disease etiology; Health care system: Popular, Folk, and Professional sectors; medical pluralism; Shamanistic healing practices; faith healing

Unit IV

Epidemiology and public health: Socio-cultural epidemiology of diseases: STD/ AIDS, Malaria, Leprosy and Tuberculosis.

Unit V

Anthropology in Public Health Policy making; Anthropology of infectious diseases; Doctor-Patient relationship.

Recommended readings:

1. Caudill, W. 1953. Applied Anthropology in Medicine. University of Chicago Press, Chicago
2. Chaudhuri, B. 1986. Tribal Health: Socio-cultural dimensions. Inter-India Publications, New Delhi.
3. Foster, G.M and Anderson, 1978. Medical Anthropology. New York: John Wiley.
4. Good, B.J., Fischer, M.M.J., Willen, S.S., Good, M.D. 2010. A Reader in Medical Anthropology: Theoretical Trajectories, Emergent Realities. WileyBlackwell. USA.
5. Konner, M. 1993. Medicine at the crossroad: the crisis in health care, Pantheon Book, New York
6. Landy, D. 1977. Culture Disease and Healing. Macmillan. New York
7. Mattingly, C. 1998. Healing and clinical plots. Cambridge Univ. Press.
8. McElroy, A. 1989. Medical anthropology in ecological perspective. Boulder co., West View Press
9. Paul, B.D. 1955. Health, culture and community. Russell sage Foundation, New York
10. Read, M. 1966. Culture, Health and Disease. Tavistock Publications. London
11. Singer, M., Erickson, P.I. 2011. A Companion to Medical Anthropology. Blackwell Publishing. USA.
12. Singh, B. and Mahaniti, N. 1995. Tribal health in India. Inter- India, New Delhi.

Further readings:

1. Channa, S. 1998. Ecology and Human Adaptation. Genesis Publishing Pvt Ltd, Delhi
2. Danda, A. K. 1984. Family planning: An Adaptive Strategy. Inter- India Publication.
4. Mibang, T. and Chaudhuri, S.K. 2003. Ethnomedicines of the Tribes of Arunachal Pradesh. Himalaya Publications, New Delhi.
5. Rivers, W.H.R. 1924. Medicines, Magic and Religion. Harcourt Brace. New York.

M3-ANTEC-15- Political Anthropology

Unit I

Introduction: Meaning, aim and scope of Political Anthropology; approaches in Political Anthropology (evolutionary and structural, conflict, power and authority, political economy)

Unit II

Nature and Types of Political system in Tribal Societies: band, chiefdom, Village and Clan council, Segmentary and lineage organization.

Unit III

Mechanism of social control: Social control, social sanction; Customary Laws

Unit IV

Gender perspective in understanding customary laws, debates on Codification of Customary Laws and its relevance in present context.

Unit V

Impact of modern political system on traditional societies: Caste and politics, Kinship and politics, women and politics (women as peacemaker, women in electoral politics and campaign)

Recommended readings:

1. Balandier, G. P. 1970. Political Anthropology. Random House, New York.
2. Dutta, P. C. and D. K Duarah. 1990. Aspect of Customary Laws of Arunachal Pradesh. Directorate of Research, Government of Arunachal Pradesh, Itanagar.
3. Fried, M. H. 1967. The Evolution of Political Society. Random House, New York.
4. Fortes, M and Evans-Pritchard. 2018. African Political System. (reprint) Forgotten books
5. Gassah, L. S. (Ed.). 1996. The Autonomous District Councils. Omson Publication, New Delhi.
6. Hansaria, B. L. 2010. Justice B. L. Hansaria's Sixth Schedule to the Constitution. Universal Law Publishing Company.
7. Honigmann, J. J. 1997. Handbook of Social and Cultural Anthropology. Rawat Publication, New Delhi
8. Kothari, R. (Ed.). 1995. Caste in Indian Politics. Orient Blackswan, New Delhi.
9. Kurtz, D. V. 2001. Political Anthropology: Paradigms and Power. Westview Press. USA. 25
10. Mishra, K. K. 1990. Tribal Elite and Social Transformation. Inter- India, New Delhi.
11. Mitra, B. M. 2003. Codification of Tribal Customary Laws. The Indian Anthropology Society, Kolkata.

12. Radcliffe-Brown, A. R. 1952. Structure and Function in Primitive Society. Routledge and Kegan Paul, London.

13. Sinha, S. 1987. Tribal Politics and State System in Pre-Colonial Eastern and Northeastern India, K. P. Bagchi and Co. Calcutta.

14. Swartz, M. J. 1996. Political Anthropology. Aldine, Chicago.

15. Talukdar, A. C. 1987. Political Transition in the Grassroots in Tribal India. Omson Publication, New Delhi.

Further readings:

1. Bayly, S. 2008. Caste, Society and Politics in India from Eighteenth Century to the Modern Age. Cambridge University Press.

2. Beteille, A. 1991. Society and Politics in India. Oxford University Press.

3. Freeman, M and David Napier. 2009. Law and Anthropology. Oxford University Press.

4. Gluckman, Max. 1971. Politics, Law and Ritual in Tribal Society. Basil Blackwell, Oxford.

5. Leach, E.R. 1964. Political Systems of Highland Burma: A Study of Kachin Social Structure. Athlone, London.

6. Scott, J.C. 2009. The Art of Not Being Governed: An Anarchist History of Upland Southeast Asia. New Haven and London: Yale University Press.

7. Srinivas, M. N. 1996. Caste: Its Twentieth Century Avatar. Penguin Books, India.

M3-ANTEC-16-4-A Economic Anthropology

Unit I

Economic Anthropology: Definition, nature and scope of Economic Anthropology; Approaches- Formalist, Substantivist and Marxist.

Unit II

Production and Consumption: Division of labour – Nature (age, sex, specialization)

Unit III

Concept of Property and Wealth, Property relations and inheritance, Land relations and management.

Unit IV

Distribution and Exchange: Types of Reciprocity, Redistribution and Market Exchange; Gift Exchange –the Kula, Potlatch; Jajamani system; feast of merit

Unit V

Contemporary scenario: Anthropological research on Entrepreneurship, Organizations and Business Culture, Globalization and Tribal economy.

Recommended readings:

1. Belshaw, C 1975. Traditional Exchange and Modern Markets. Prentice Hall, New Jersey.
2. Cashdan, Elizabeth. (ed). 1990. Risk, Uncertainty in Tribal and Peasant Economics. Westview Press, London.
3. Dalton, G. 1961. Economic Theory and Primitive Society; in American Anthropologist, volume 63(1).
4. Dalton, G. 1971. Primitive, Archaic and Modern Economics: Essays of Karl Polanyi, Little Brown Boston.
5. Dalton, George. 1967. Tribal and Peasant Economies. The Natural History Press, New York.
6. Danda, A.K. 1991. Tribal Economy in India, Inter India. N. Delhi.
7. Firth, B. (ed). 1975. Themes in Economic Anthropology. Tavistock, London.

8. Herskovits, M.J. 1952. Economic Anthropology. Alfred, A. Knopf, New York.
9. Herskovitz, M.J. 1975. Economic Anthropology. Eurasia Publication, N. Delhi.
10. Singh, K.S. (ed). 1982. Economics of Tribes and Their Transformation. Concept Publishing House, New Delhi. 27

Further readings:

1. Bohannan P. and G. Dalton. 1962. Markets in Africa. American Museum of Natural History Series, Washington.
2. Mauss. M. 1990 [1923]. The Gift: The form and Reason for exchange in archaic societies. London, Routledge.
3. Nash, M. 1974. Primitive and Peasant Economic System. Chandler Publication, San Francisco.
4. Sahlins, M. 1974 [1972]. Stone Age Economics. London: Travistock Publications

M3-ANTEC-16-4-B - Anthropology of Religion

Unit I

Introduction: Anthropological approaches to the study of religion (evolutionary, psychological and functional)

Unit II

Animism, fetishism, naturism, and Totemism. Monotheism, Polytheism, Atheism,

Unit III

Symbolism in religion and cultural expression: E.E. Evans Pritchard, Sherry Ortner, Clifford Geertz, Mary Douglas, Victor Turner.

Unit IV

Religious specialists, belief and practices: Shamans, Priest, medicine man, Yogis, religious specialist (Nyibu, Miri, Igu); Magic, Witchcraft

Unit V

Impact of Hinduism, Buddhism, Christianity, Islam and other religions on tribal societies; religious movements

Recommended Books:

1. Emile Durkheim, 1964, *The Elementary Forms of the Religious Life*, George Allen & Unwin, London.

2. E. E. Evans-Pritchard, *Witchcraft, Oracles, and Magic among the Azande*, 1976, Oxford University Press.

3. Bronislaw Malinowski, 1948. *Magic, Science and Religion and Other Essays*, The Free Press, Illinois.

4. E. E. Evans-Pritchard, 1956, *Nuer Religion*, Claredon Press, Oxford

5. Mary Douglas, 1996. *Natural Symbols: Explorations in Cosmology*, Routledge, New York

6. Lowie, R.H. *Primitive Religion*

7. Henry H. Presler *Primitive Religions in India*

8. Evans-Pritchard, E.E. *Theories of Primitive Religion*.

9. Hinnells, John, R. 2005. *Companion to the study of Religion*, Routledge, New York

10. Victor Turner, 1969. *The Ritual Process: Structure and Anti-Structure*, Aldine, Chicago

M3-ANTEC-16-4-C – Anthropology of Borderland

Unit I

Introduction: History and development of Anthropology of Borderlands; Borderland Research in other Social Sciences

Unit II

Concept of Borders, Boundaries, Corridor, Frontier and Borderlands in anthropology, Socio-cultural dynamics of borders and borderlands.

Unit III

Nation, State and Borders: National Identity, Spatial Boundaries, Nation Building, Migration and displacement across borders and Deterritorialization in the context of globalization; Borderland livelihood strategies, cross-border cultural identities, Borderland Network and Linkage.

Unit IV

Nationalism, Ethnonationalism, Identity: State formation, Territorial Politics in Northeast India; Borderland societies, Displaced Communities, Transborder cultures and communities in contemporary Northeast India.

Unit V

Current Trend of Research in Borderland: India's Northeast Borderlands and its transnational neighborhood, Current trends of borderland ethnography, Act East Policy.

Recommended readings:

1. Alvarez, R. R., 1995; The Mexican-US Border: The Making of an Anthropology of Borderlands. Annual Review of Anthropology, 24: 447-470.
2. Bhabha, Homi K., 1994; The Location of Culture, Routledge, London
3. Daphne, Berdahl, 1999; Where the World Ended: Re-Unification and Identity in the German Borderland, University of California Press, London.
4. Donnan, Hastings and Thomas M. Wilson, 1999; Borders: Frontiers of Identity, Nation and State. Oxford: Berg Publishers. 30
5. Kearney, Micheal, 2004; Changing Fields of Anthropology from Local to Global, Rowman and Littlefield, Lanham

6. Mishra, Sanghamitra, 2011; *Becoming a Borderland: The Politics of Space and Identity and in Colonial Northeastern India*, Routledge, New Delhi

7. Schendel, Willem Van, 2005; *The Bengal Borderland; Beyond State and Nation in South Asia*, Anthem South Asian Studies, London.

8. Scott JC. 2011. *The art of not governed: An Anarchist History of Upland Southeast Asia*. Yale University Press

9. Wilson, Thomas M. & Hastings Donnan, (Ed), 1998; *Border Identities: Nation and State at International Frontiers*, Cambridge University Press, Cambridge.

10. Wilson, Thomas, and Hasting Donnan, 2012, *A Companion to Border Studies*, Wiley-Blackwell Publishing, Oxford, UK

Further readings:

1. Lamont, Micheal and Virag Molnar, 2002; *The Study of Boundaries in the Social Sciences*, *Annual Review of Sociology*, 2002. 28:167–95

2. Hannerz, ULF, 1997; *Borders*, *International Social Science Journal*, Volume 49, Issue 154, Pp-537-548

3. Gupta, A. and James Ferguson, 1992; *Beyond "Culture": Space, Identity, and the Politics of Difference*, *Cultural Anthropology*, Vol. 7, No. 1, Space, Identity, and the Politics of Difference. (Feb., 1992), pp. 6-23.

M3-ANTEC-17-B-A - Practical III

1. G6PD deficiency status
2. Hemoglobin test (Quantitative and Qualitative)
3. Haptoglobin type
4. Hair sampling
5. Latent finger print
6. Blood stain analysis

M3-ANTEC-17-B-B- Human Genetics

Unit I

Introduction: Gene, Allele, Protein, Nucleic acid; Structure and Function of DNA: replication and protein synthesis; Function of RNA;

Unit II

Inheritance Pattern: Mendelian Principle in Human; Multiple allelism; Polygenic inheritance; sex controlled, sex linked and limited gene; ABO; MN; Rh, sex determination, Lyon hypothesis

Unit III

Genetic Marker: Immunogenetic markers; Biochemical Polymorphism; DNA markers: Restriction fragment length polymorphisms

Unit IV

Polymerase chain reaction; DNA sequencing; Targeting single DNA bases: SNPs Metabolic error: PKU; Alkaptonuria; Albinism; Lysch-Nyhan Syndrome

Unit V

Chromosome: Structure and type of chromosome; Karyotype; chromosome aberration: type and causes; Cri-du-chat syndrome; Philadelphia chromosome; Down Syndrome; Patau's Syndrome; Edward's syndrome; Turner's Syndrome; Klinefelter syndrome

Recommended readings:

1. Barua, S. 2002. Human Genetics. Kolkata: Classique Books.
2. Boyce, A. J. and C. G. N. Mascie-Taylor. 1996. Molecular Biology and Human Diversity. Cambridge: Cambridge University Press.
3. Cavalli-Sforza, L. L. and W.F. Bodmer. 1971. The Genetics of Human Population. San Francisco: WH Freeman & Co.
4. Cavalli-Sforza L.L., et al. 1994. The History and Geography of Human Genes. Princeton: Princeton University Press.

5. Conroy Glenn C. 1997. *Reconstructing Human Origins: A Modern Synthesis*. New York: London: W.W. Norton & Company.
6. Crawford, M.H. (ed.). 2006. *Anthropological Genetics*. Cambridge: Cambridge University Press.
7. Gisli Palson 2007. *Anthropology and the New Genetics*. Cambridge: Cambridge University Press.
8. Griffiths, A. J. F., W.M.Gelbart, J.H.Miller and R.C.Lewontin. 1999. *Introduction to Genetic Analysis*, 7th edition. New York: W H Freeman & Co
9. Harrison, G. A. and A.J.Boyce.1972. *The Structure of Human Population*. Oxford: Clarendon Press.
10. Hartl, D.L. 1983. *Human Genetics*. New York: Harper & Row.
11. Hedric, P.W. 1999. *Genetics of Populations*, 2nd edition. Massachusetts: Jones and Bartlett Publishers.
12. Kimura, M. 1983. *Neutral Theory of Molecular Evolution*. Cambridge: Cambridge University Press.
13. Malhotra, K. C. (ed.). 1988. *Statistical Methods in Human population Genetics*. Kokata:ISI
14. Maxson, L.R. and C.H.Daugherty. 1992. *Genetics: A Human Perspective*, 3rd edition. Kerper: Wm Charles Brown Publishers
15. Race, R.R. and R.Sanger. 1973. *Blood Groups in Man*. Oxford: Blackwell Scientific.
16. Relethford, J.H. 2001. *Genetics and the Search for Modern Human Origins*. New York: Singapore: Wiley-Liss
17. Rothwell, N.V. 1976. *Human Genetics*. New Delhi: Prentice Hall Pvt. Ltd.
18. Stoneking M. 2017. *An Introduction to Molecular Anthropology*. Weley Blackwell

19. Vogel, F. and A.G.Motulsky. 1986. Human Genetics: Problems and Approaches. Berlin: Springer-Verlag.

M3-ANTEC17-B-C- Demographic Anthropology

Unit I

Introduction: Historical Background of Demography, Definitions and key concepts in Demography, its relation with Anthropology, Demography vs Population Study; Importance of Population studies and its implications.

Unit II

The basic components of population dynamic: fertility, fecundity, mortality, morbidity, marriage, migration and associated factors

Unit III

Sources of demographic data: Census, Registration System: Civil Registration system (CRS), Sample Registration system (SRS), National samples survey organizations (NSSO), Model Registration System (MRS) - merits and demerits; Documentary System

Unit IV

Population theories: Godwin, Malthus, Mercantilism, Biological theory of population, theories of demographic transition

Unit V

National increase and population growth. Methods used in describing population growth,

effect of socioeconomic development on population growth.

Recommended readings:

1. Basu, Alaka Malwade. 1992. Culture, the status of women and demographic behaviour. Oxford: Clarendon Press.
2. Bhende, A. and T. Kanitkar. 2000. Principles of Population Studies. New Delhi: Tata Mcgraw.
3. Bogue, D. 1969. Principles of Demography. New York: John Wiley & Sons.
4. Cox, P. R. 1970. Demography. Cambridge: Cambridge University Press.
5. Dyson, T. and N. Crook. 1984. India's Demography. New Delhi: South Asia Publishers.
6. Hans Raj 2003. Population Studies – with special reference to India (Fundamentals of Demography). Surjeet Publications, Delhi.
7. Mahadevan, K. and P. Krishnan. 1993. Methodology for Population Studies and Development. New Delhi: Sage Publications.
8. Sinha, V.C. and Zacharia E. 1984. Elements of Demography. Allied Publishers, Delhi.
9. Srinivasan, K. 1995. Regulating Reproduction in India's Population. New Delhi: Sage Publications.
10. Srinivasan, K. 1998. Basic Demographic Techniques and Applications. New Delhi: Sage Publications. 35
11. Swedlund Alan C and G. J. Armelagos 1976. Demographic Anthropology. Wm. C. Brown Company, Publishers.
12. Thompson, W.S. and D.T. Lewis. 1980. Population Problems. New Delhi: Tata Mcgraw Hill Publishing House.

M3-ANTEC-17B-D- Forensic Anthropology

Unit I

Introduction: Definition, scope and schools of forensic anthropology; Forensic Anthropologists as an expert witness under section 45 of the Indian Evidence Act.

Unit II

Study of skeletal material: Human and animal remains; bone fragments; Attribution of sex, estimation of age and reconstruction of stature from the skeletal remains, and their medicolegal implications.

Unit III

Finger prints: Identification of living and death through partial and complete prints. Classification of fingerprints for criminal record purposes. Chance Prints. Various methods of latent print development; establishing identity and preserving prints

Unit IV

Forensic Haemogenetics: Pattern of blood splashes, Identification of bloodstains and determination of species of origin. Individualization of blood stains: Determination of blood group, sex, age and racial origin from dried bloodstains. Typing of some common polymorphic enzymes. HLA haplotypes and serum proteins from dried blood stain.

Unit V

Hair and DNA profiling and individualization: Hair samples: species origin, identifying location; concept of sequence variations, STR, VNTRs, STR markers used in DNA finger printing.

Recommended readings:

1. Parikh.C.K. 2000 Parikh's Textbook of Medical Jurisprudence, Forensic Medicine and Toxicology. CBS Publishers, New Delhi
2. Nath,Surinder 1989. An Introduction to Forensic Anthropology. Gian Publishing House , New Delhi
3. El-Nazir,M.Y.& K.R. McWilliams 1978. Forensic Anthropology, Springfield,Thomas.
4. Krogman,W,M. 1962 The Human skeleton in Forensic Medicine Springfield Thomas.
5. Steward.T.D. 1979. Essentials of Forensic Anthropology, Springfield ,Thomas

6. Singh, I.P. and M.K. Bhasin 2004. A Manual of Biological Anthropology. Kamla – Raj Enterprises, Delhi

M3-ANTEC-18: Anandam-I

The Students need to ensure social work of 30 hours and a certificate is required to be submitted by him/her for the same from any Registered NGO Society / ward/ Prasad/Gram Panchayat etc that the candidate has undertaken 30 hours of social work. The candidate needs to audit pass.

M.A. IV- Semester

M4-ANTCC-19: Medical Anthropology

Unit I

Introduction: Scope of Medical Anthropology; Development of Medical Anthropology; Concept and Definition of Health and its relation with culture; Theoretical Approaches in Medical Anthropology

Unit II

Illness and Disease: Concept of disease and illness; socio-cultural dimensions of health; ethno-psychiatry; cultural concept of normalcy and abnormalcy; culture-bound syndromes; occupational and life-style ailments

Unit III

Etiology and Healing: Personalistic and naturalistic approaches of disease etiology; Health care system: Popular, Folk, and Professional sectors; medical pluralism; Shamanistic healing practices; faith healing

Unit IV

Epidemiology and public health: Socio-cultural epidemiology of diseases: STD/ AIDS, Malaria, Leprosy and Tuberculosis. Anthropology in Public Health Policy making; Anthropology of infectious diseases; Doctor-Patient relation

Unit V

Community Health : the concept and community health problems in India. Concept of integrated health service. The Primary Health Centers their organization and functioning. Implementation and utilization of health programmes in rural and urban communities. Role of mass media and the promotion of health.

Recommended readings:

1. Caudill, W. 1953. *Applied Anthropology in Medicine*. University of Chicago Press, Chicago
2. Chaudhuri, B. 1986. *Tribal Health: Socio-cultural dimensions*. Inter-India Publications, New Delhi.
3. Foster, G.M and Anderson, 1978. *Medical Anthropology*. New York: John Wiley.
4. Good, B.J., Fischer, M.M.J., Willen, S.S., Good, M.D. 2010. *A Reader in Medical Anthropology: Theoretical Trajectories, Emergent Realities*. Wiley-Blackwell. USA.
5. Konner, M. 1993. *Medicine at the crossroad: the crisis in health care*, Pantheon Book, New York
6. Landy, D. 1977. *Culture Disease and Healing*. Macmillan. New York
7. Mattingly, C. 1998. *Healing and clinical plots*. Cambridge Univ. Press.
8. McElroy, A. 1989. *Medical anthropology in ecological perspective*. Boulder co., West View Press
9. Paul, B.D. 1955. *Health, culture and community*. Russel sage Foundation, New York
10. Read, M. 1966. *Culture, Health and Disease*. Tavistock Publications. London
11. Singer, M., Erickson, P.I. 2011. *A Companion to Medical Anthropology*. Blackwell Publishing. USA.
12. Singh, B. and Mahaniti, N. 1995. *Tribal health in India*. Inter- India, New Delhi.

Further readings:

1. Channa, S. 1998. *Ecology and Human Adaptation*. Genesis Publishing Pvt Ltd, Delhi
2. Danda, A. K. 1984. *Family planning: An Adaptive Strategy*. Inter-India Publication.
3. Leslie, C. 1976. *Asian medical systems*. Univ. of California Press. Berkeley
4. Mibang, T. and Chaudhuri, S.K. 2003. *Ethnomedicines of the Tribes of Arunachal Pradesh*. Himalaya Publications, New Delhi.
5. Rivers, W.H.R. 1924. *Medicines, Magic and Religion*. Harcourt Brace. New York.

M4-ANTCC-20: Dissertation

In this paper each student will select a research topic in consultation with their respective supervisors. Accordingly, students will carry out their fieldwork individually and will prepare their dissertation under the supervision of the concerned teacher. Report should be presented in the departmental seminar. Finally the dissertation will be examined by the external expert and accordingly mark will be credited.

M4-ANTEC-21: Development Anthropology

Unit I

Meaning, approach and evolution of development: Growth of Development Anthropology; role of anthropology in development; Indices of Development; culture and development.

Unit II

Theories of Development: Modernization, Dependency and World System theory

Unit III

Tribal development: Approaches to tribal development in India; Constitutional provisions, community development and Panchayati raj.

Unit IV

Impact of Development on tribal communities: issues and challenges; land alienation, displacement, migration and marginalization in relation to construction of dam, mining and roads

Unit V

Agency for Development : Governmental and non governmental, approaches, models administration ,training man power, people participation . policy and planning planning strategy phase target regions, reresources and people participatory approach in development.

Recommended readings:

1. Chaudhuri, S.K. 2004. Constraints of Tribal Development. New Delhi. Mittal Publications.
2. Chaudhurie, B. 1990. Tribal development in India; Problems and Prospects, Inter-India, New Delhi.
3. Cochrane, G. 1971. Development Anthropology, OUP, New York.

4. Dubey, S.C. 1988. Modernisation and Development. The search for alternative paradigms. United Nations University, London
5. Halbar, B.G and C.G. Uussain Khan. 1991. Relevant of Anthropology, the Indian scenario, Rawat Publications, Jaipur.
6. Lewis, D and K. Gardner. 1996. Anthropology, Development and Postmodern Challehge. London: Pluto Press
7. Mair, L. 1984. Anthropology and Development, Macmillan Press, London.
8. Malhotra, R. 1992. Anthropology of Development, Mittal, New. Delhi.
9. Mathur, H.M. 1977. Anthropology in Development Process, Vikas, New. Delhi.
10. Mathur, H.M: 1990. The Human dimension of development: Perspectives from Anthropology. Concept Publishers, New Delhi
11. Pathy, J. 1987. Anthropology of Development. Gyan Publication, Delhi.
12. Pitt-David, C. 1976. Development from below: Anthropologists and development situation, Monton, The Hague.

Further readings:

1. Commission for UNESCO-Netherlands: “Cultural Dimension of Development”.
2. Eisenstadt, S.N. (ed) :Reading in Social Evolution and Development.
3. Foster, G.M: Traditional culture and Impact of technological change.
4. Harris, Marvin: The Rise of Anthropological theory.
5. Nieuwinhuijze: ‘Culture and Development: False dilemmas and real issues’ in ISSJ vol. 18.
6. Ruttan, Vernon W. 1988. ‘Cultural Endowments and Economic Development: what can we learn from Anthropology? in Economic Development and Cultural change, April, 1988, vol. 36, No.3.
7. Tucker, Vincent (ed), 1997. Cultural perspective on Develooppment, Frankcars, London.

8. Vidyarthi, L.P. 1980. Applied Anthropology and Development in India, National, N.Delhi.

9. Yatsushiro, Toshio 1953. 'Economic Development and culture Dynamics' in. The Eastern Anthropologist, vol.3.

M4ANTEC-22-A - Anthropology of Gender

Unit I

Understanding concepts: relationship between sex, gender and patriarchy; Understanding cultural construction of gender from anthropological approach; Feminism (Liberal Feminism, Radical Feminism, Post modern Feminism); Masculinity

Unit II

Gender in different societies: Gender in matrilineal and patrilineal societies; gender in foraging and horticulture societies; gender in pastoral and agricultural societies.

Unit III

Gender and Development: Gender perspective in development; gender in development vs gender and development; gender development index; women oriented welfare schemes in health and education.

Unit IV

Emerging issues in Gender Study: Gender Issues in Field Research, Gender and politics, Gender and health (mental health and fertility), LGBT issues.

Unit V

Environment and Development: Eco-feminism and eco-feminist movements. Women Development Vs women and development, role of NGOs in developing awareness among women. women employment.

Recommended readings:

1. Ardener, S. 1985. *The social Anthropology of women and Feminist Anthropology*. Anthropology Today. 1(5).
2. Barnard, A. 2004. *History and theory in Anthropology*. Cambridge University Press, Cambridge.
3. Connell, R. W. 2002. *Gender*. Polity Press, Cambridge
4. Dube, Leela. 1997. *Women and Kinship: Comparative Perspective on gender in South and South-East Asia*. United Nation University Press, Tokyo.
5. Evans- Pritchard, E.E. 1965. *The Position of Women in Primitive Society and Other essay In Social Anthropology*. Faber and Faber Ltd, London.
6. Gupta, A. K. 1986. *Women and Society: The development Perspective*. Criterion Publication, New Delhi.
7. Harris, M. 1991. *Cultural Anthropology*. Harper Collins, New York.
8. Kourany, J. A and Jame, P. S and Rosemarie, T. 1992. *Feminist Philosophies, Problems Theories and Application*. Prentice Hall, New Jersey.
9. McGee, R. J and R. L. Warms. 1996. *Anthropological Theories*. Mayfield Publishing, London.
10. Moore, H. L. 1988. *Feminism and Anthropology*. Polity Press, UK.
11. Moore, H. L. 1994. *A Passion for Difference: Essay in Anthropology and Gender*. Indiana University Press, Bloomington
12. Nigel, R and J. Overing. 2007. *Social and cultural Anthropology: The key Concepts*. Routledge, London

Further readings:

1. Cormack, C. M and M. Strathern. 1998. *Nature, culture and Gender*. University Press, Cambridge.
2. Kelkar, G and D. Nathan. 1991. *Gender and Tribe*. Zed Books, New Delhi.

3. McCormack, C. P and Marilyn Strathern. 1980. *Nature, Culture and Gender*. Cambridge University Press, Cambridge.
4. Orthner, S. B and H. Whitehead. 1956. *Sexual Meanings: The Cultural Context of Gender and Sexuality*. Cambridge University Press, Cambridge
5. Rao, A. 2000. *Autonomy: Life Cycle, Gender and Status among Himalayan Pastoralists*. Berghahn Books, Herndon
6. Rosaldo, M. Z and Louise Lamphere and Joan Bamberger. 1974. *Women, Culture and Society*. Standford University Press, Standford.
7. Zehol, L. 2006. *Gender Issues in the Tribal Society of North- East India: some Observation*. Bulletin of the department of Anthropology Dibrugarh University. 34. 99-106.

M4- ANTEC-23-B- Art of Anthropology

Unit I

Art and Anthropology: Origin and development of Art in Human life and culture. Definition, aims and objectives of art in anthropology. Different forms of art: verbal, visual; musical and performing arts. Functions of art and Interpretation from anthropological perspective.

Unit II

Art and Tribal society: Interpretation and analysis of society through art. Impact of the art on society.

Unit III

Ethnomusicology: Concept, aims and objectives. Anthropological and musicological approaches. Interpretation and analysis. Ethnomusicology of Northeast India.

Unit IV

Art and modernity: Impact of modernization/ globalization on the art and craft, art and gender, art and identity, art and development; Intellectual Property Right

Unit V

Tribal art Government Policy: Tribal art in India, struggling art. Government policy for tribal art.

Recommended readings:

1. Bhattacharya, R.K. and S.B. Chakrabarti. 2000. *Indian Artisans: Social Institutions and Cultural Values*. Anthropological Survey of India: Kolkata.
2. Choudhury, R.D. 2011. *Art and Archeology of the Brahmaputra Valley of Assam*. Spectrum Publications, Guwahati.
3. Cordwell, Justine M. 1979. *The Visual Art: Plastic and Graphic*. Mouton Publishers, The Hague.
4. Datta, Birendranath. 2012. *Cultural Contours of Northeast India*. Oxford University Press, New Delhi.
5. Elwin, Verrier. 1951. *Tribal Art of Middle India*. London.
6. Elwin, Verrier. 1959. *The Art of Northeast Frontier of India*. Shillong.
7. Forge, Anthony. (Ed). 1973. *Primitive Art and Society*. Oxford University Press, London.
8. Ganguli, Milada. 1986. *Naga Art*. Oxford and IBH Pub Co. Pvt. Ltd, Calcutta.
9. James, Josef. 1989. *Art and Life in India: The Last Four Decades*. IAS, Shimla.
10. Layton, Robert. 2003. *The Anthropology of Art*. Cambridge University Press, UK.
11. Mutua Bahadur, Y. Santabai. 1989. *Tribal art of Manipur*. Mutua Museum, Manipur.
12. Willet, Frank 2000. *African Art*. Thames and Hudson Inc, USA.

Further readings:

1. Dalmia, Yashodhara. 1988. *The Painted World Of The Warlis; Art And Ritual Of The Warli Tribes Of Maharashtra*. Lalit Kala Academy, New Delhi

2. Gourhan, Andre Leroi. 1982. *The Dawn of European Art*. Cambridge University Press, London.
3. Kanchan Chakrabarti, Dinanath Pathy. 1991. *Tribal Art, Primitivism, and Modern Relevance*. Working Artists Association of Orissa.
4. Kramrisch, Stella. 1968. *Unknown India: Ritual Art in Tribe and Village*. Philadelphia.
5. Luis Camnitzer. 2007. *Conceptualism in Latin American Art: Didactics of Liberation*. University of Texas Press, Texas.
6. Smith, Marian W 1961. *The Artist in Tribal Society*. Routledge, London.
7. Stella Kramrisch, Barbara Stoler Miller, Barbara Stoler Miller. 1983. *Exploring India's Sacred Art: Selected Writings of Stella Kramrisch*. Motilal Banarsidass Publisher.

M4-ANTEC-24-C-Linguistic Anthropology

Unit I

Introduction: Scope of Linguistics anthropology; Linkages with other disciplines of humanities and social sciences; Theoretical concerns; Language Practices; Language behavior and language systems; Spoken and written languages; synchronic and diachronic approaches to language studies.

Unit II

Communities and Languages: Linguistic diversity; Language families; Multi – Lingualism; Diglossia; Language Contact; language shift; language variation; Convergence and diffusion; *Lingua franca*; Pidgin and Creole.

Unit III

Pluralistic worldview: Language and culture; Linguistic relativity; Language and Landscape; Language and gender; Semantic composition and cultural aspects of kinship and colour terms; pronouns of addresses.

Unit IV

Languages of Arunachal Pradesh: Classification of languages of Arunachal; Status of the languages; convergence and diffusion; Ethnic and Linguistic Identities; Language problems.

Unit V

Tribal literature: Myths, legends, proverbs, tales, Aphorisms, oral epics, style and emotion in tribal literature, structural analysis of tribal literature. Tribal literature and nationalism, women in tribal literature, man animals and plants in tribal literature

Recommended readings:

1. Burling, Robbins 1969. Linguistics and Ethnographic Description, *American Anthropologist, New Series, Vol. 71, No. 5 (Oct., 1969)*. Blackwell Publishing on behalf of the American Anthropological Association, pp. 817-827.
2. Burling, Robbins 2005. *The Talking Ape, How Language Evolved*, Oxford University Press, New York.
3. Burling, Robbins, 2007. The Lingua Franca Cycle: Implications for Language Shift, Language Change, and Language Classification, *Anthropological Linguistics, Vol. 49, No. 3/4 (Fall - Winter, 2007)*, pp. 207-234. The Trustees of Indiana University.
4. Duranti, A. 1997. *Linguistic Anthropology*, Cambridge University Press, New York.
5. Fishman, Joshua A. 1969. National Languages and Languages of Wider Communication in the Developing Nations, *Anthropological Linguistics, Vol. 11, No. 4 (Apr., 1969)*, pp. 111-135. The Trustees of Indiana University.
6. Hymes, Dell. 2015. *Ethnography, Linguistics, Narrative Inequality: Toward an Understanding of Voice*. Routledge

7. Jourdan, Christine, Kevin Tube (eds), 2006. *Language, Culture and Society, studies in Social and Cultural Foundations of Language*, Cambridge University Press.
8. Levinson, Stephen C. 2008. Language and landscape: a cross-linguistic perspective, *Language and Cognition*, Max Planck Institute for Psycholinguistics, Netherlands, *Language Science* 30, 135-150.
9. Maffi, Luisa, 2005. Linguistic, Cultural, and Biological Diversity *Annual Review of Anthropology, Vol. 34 (2005), pp. 599-617*. Annual Reviews Stable.
10. Wardaugh, Ronald, 2005. *An Introduction to Sociolinguistics*, Victoria, Blackwell Publishing Australia.

Further readings:

1. Carrol, John B. (ed.), 1956. *Language Thought and Reality, selected Writings of Benjamin Lee Whorf*, University of California Press, Berkley.
2. Chambers, J.K, and Peter Trudgill, 2004. *Dialectology*, Cambridge University Press, Cambridge.
3. Fishman, Joshua A, 1965. Who Speaks What Language to Whom and When? *La Linguistique, Vol. 1, Fasc. 2 (1965)*, pp. 67-88. Presses Universitaires de France
4. Gumprez, John J. (ed), 1992. *Language and Social Identity*, Cambridge University Press.
5. Hirsch, Eric, Michael O Holon, 1995. *The Anthropology of Landscape, perspective on Place and Space*, Clarendon Press, Oxford.
6. Khubchandani, Lachman M. 2009. *Indigeneous peoples: Responding to Human Ecology*, Central institute of Indian Languages, Mysore & Bhasha Research and Publication Centre, Vadodara
7. Mandelbaum, David G (ed.), 1973. *Selected writings of Edward Sapir in Language, Culture and Personality*, University of California Press Ltd., London
8. Sapir, Edward, 1973. *Language, An Introduction to the Study of Speech*.

M4-ANTEC-25-A: Human Growth and Development

Unit I

Introduction: Concept of human growth, growth vs development; methods of studying growth and development, stages of human growth - prenatal, infancy, childhood, adolescence, developmental age and maturity

Unit II

Factors affecting growth: Role of endocrines and hormones, ethnic variation, migration and hybridization, nutrition and socioeconomic factors, secular trend

Unit III

Measurement of growth: Growth curve (its variation and evolution), assessment of growth and nutritional status, catch up growth.

Unit IV

Human physique and somatotype: Viola, Kretschmer, Sheldon and Heath-Carter - Techniques for estimating body composition - anthropometry, metabolic balance technique, energy balance and water displacement

Unit V

Government programmes : ANP , ICDS , SNP , Mid- Day meal programme , Vitamin 'A' , prophylaxis , programme , Vitamin 'C' and vitamin 'D' deficiency . Important role of maternal education regarding health and nutrition at home and for community.

Recommended readings:

1. Bogin, B. 1999. *Patterns of Human Growth*. Cambridge: Cambridge University Press.
2. Carter, J.E. L. 1980. *The Heath-Carter Somatotype Method*. San Diego: SDSU Syllabus Service.
3. Dasgupta P. and R.Hauspie (eds.) 2001. *Perspectives in Human Growth, Development and Maturation*. New Delhi: Springer.

4. Heath B.H. and J.E. L. Carter. 1990. *Somatotyping: Development and Applications*. Cambridge: Cambridge University Press.
5. Eveleth, P.B. and J.M.Tanner. 1990. *Worldwide Variation in Human Growth*. Cambridge: Cambridge University Press.
6. Forbes, G. B. 1987. *Human Body Composition: Growth, Aging, Nutrition and Activity*. New York: Springer-Verlag.
7. Harrison, G.A. *et al.* 1988. *Human Biology*. Oxford: Oxford University Press.
8. Heyward Vivian H. and D.R. Wagner. 2004. *Applied Body Composition Assessment*. Illinois: Champaign.
9. Himes, J.H. (ed.) 1991. *Anthropometric Assessment of Nutritional Status*. New York: Wiley-Liss.
10. Hooton, E. A. 1965. *Up from the Ape*. New York: Macmillan.
11. Jelliffe, D.B. 1966. *The Assessment of the Nutritional Status of the Community*, WHO Monograph No. 53. Geneva: WHO.
12. Johnson ,F.E. 1987. *Nutritional Anthropology*. New York: Wiley-Liss.
13. Mahajan, A. and Nath, S. 1992. *Application Areas of Anthropology*. New Delhi: Reliance Publishing House.
14. Roche, A.F. 1992. *Growth, Maturation and Body Composition*. Cambridge: Cambridge University Press.
15. Tanner, J.M. 1989. *Foetus into Man*. Cambridge: Harvard University Press.
16. Thompson, J.L. *et. al.* 2003. *Patterns of Growth and Development in the Genus Homo*. Cambridge: Cambridge University Press.
17. Ulijaszek, S.J. *et al.* 1998. *The Cambridge Encyclopaedia of Human Growth and Development*. Cambridge: Cambridge University Press.

M4-ANTEC-26-B - Population Genetics

Unit I

Introduction: Concept and application of population; Mendelian population; gene pool; allele frequency and genotype frequency; Hardy-Weinberg Equilibrium; testing equilibrium and measuring departure from it; application of Hardy-Weinberg law in human

Unit II

Force of Variation: Causes of genetic variation – selection, genetic drift, mutation; genetic isolation and gene flow.

Unit III

Genetic polymorphism: basic concept of transient and balanced polymorphism. Consanguinity and inbreeding; Genetic load; tools for phylogenetic analysis

Unit IV

Models explaining the maintenance of genetic polymorphism: Relationship between sickle cell and malaria, other polymorphism and adaptation to malaria, X-linked polymorphism, selection due to infectious diseases and its association with blood groups and other polymorphism; Hemoglobin polymorphism, thalassaemia and abnormalities of polypeptide chains.

Unit V

Genetics study of population: Natural and social boundaries, mobility, growth, age, sex, composition, fertility, mortality and morbidity, marriage and kinship, age at marriage, type of marriage, consanguineous, no consanguineous. comparison: ethnic ecological, genealogical, generational, social epidemiological.

Recommended readings:

1. Barua, S. 2002. Human Genetics. Kolkata: Classique Books.
2. Boyce, A. J. and C. G. N. Mascie-Taylor. 1996. Molecular Biology and Human Diversity. Cambridge: Cambridge University Press.
3. Cavalli-Sforza L.L., et al. 1994. The History and Geography of Human Genes. Princeton: Princeton University Press.

4. Cavalli-Sforza, L. L. and W.F.Bodmer. 1971. The Genetics of Human Population. San Francisco: WH Freeman & Co.
5. Conroy Glenn C. 1997. Reconstructing Human Origins: A Modern Synthesis. New York: London: W.W. Norton & Company.
6. Crawford, M.H. (ed.). 2006. Anthropological Genetics. Cambridge: Cambridge University Press.
7. Gislison 2007. Anthropology and the New Genetics. Cambridge: Cambridge University Press.
8. Griffiths, A. J. F., W.M.Gelbart, J.H.Miller and R.C.Lewontin. 1999. Introduction to Genetic Analysis, 7th edition. New York: W H Freeman & Co
9. Harrison, G. A. and A.J.Boyce.1972. The Structure of Human Population. Oxford: Clarendon Press.
10. Hartl, D.L. 1983. Human Genetics. New York: Harper & Row.
11. Hedric, P.W. 1999. Genetics of Populations, 2nd edition. Massachusetts: Jones and Bartlett Publishers.
12. Kimura, M. 1983. Neutral Theory of Molecular Evolution. Cambridge: Cambridge University Press.
13. Malhotra, K. C. (ed.). 1988. Statistical Methods in Human population Genetics. Kolkata:ISI
14. Maxson, L.R. and C.H.Daugherty. 1992. Genetics: A Human Perspective, 3rd edition. Kerper: Wm Charles Brown Publishers
15. Race, R.R. and R.Sanger. 1973. Blood Groups in Man. Oxford: Blackwell Scientific.
16. Relethford, J.H. 2001. Genetics and the Search for Modern Human Origins. New York: Singapore: Wiley-Liss
17. Rothwell, N.V. 1976. Human Genetics. New Delhi: Prentice Hall Pvt. Ltd.

18. Stoneking M. 2017. An Introduction to Molecular Anthropology. Weley Blackwell

19. Vogel, F. and A.G.Motulsky. 1986. Human Genetics: Problems and Approaches. Berlin: Springer-Verlag.

M4-ANTEC-27-C- Primatology

Unit I

Introduction: Aim and scope of evolutionary biology with special reference to nonhuman primates; Classification, feature and Distribution of living non human Primates.

Unit II

Primate biology: Trends in early primate radiation-dentition, postural modifications in shoulder girdle, pelvic girdle, limbs, hand and foot with special reference to their arboreal habitat; Serological aspects, Chromosomal aspects.

Unit III

Primate behavior: Primate Societies: hierarchical, associative and sexual, Patterns of social behavior; Leadership: inter and intra group encounters, Dominance, Aggression

Unit IV

Conservation: Breeding and husbandary of non-human primates; conservation of Non Human Primate; use of Non Human Primate in biomedical research

Unit V

Classification of tribal people: Good gathers and hunters, shifting, cultivations, nomads, pastoralists, peasants and settled agriculturists, artisans.

Recommended readings:

1. Karen B. Strier. 2006. Primate Behavioral Ecology (3rd edition). Allyn and Bacon
2. Bernard Chapais and Carol M. Berman. 2004. Kinship and Behaviour in Primates. Oxford University Press.
3. Linda Marie Fedigan 1992. Primate Paradigms: Sex Roles and Social Bonds,. University of Chicago Press.
4. Russell L. Ciohon and Richard A. Nisbett 1997. The Primate Anthology: Essays on Primate Behaviour, Ecology and conservation from National History. Prentice Hall.
5. Russell Tuttle. 2007. The functional and Evolutionary Biology of Primates Aldine Transaction.
6. B.A. Wood, L.B.Martin, Peter Andrews. 2009. Major topics in Primate and Human Evolution (2009) Cambridge University Press
7. Friderun Ankel-Simons. 2007. Primate Anatomy: An Introduction. Academic Press.
8. John G. Fleagle. 1998. Primate Adaptation & Evolution. Academic Press.
9. Leubes – SC (1977) Tribal heritage at India. New Delhi :Vilas Publication

M4-ANTEC-28 Anandam-II

The Students need to ensure social work of 30 hours and a certificate is required to be submitted by him/her for the same from any Registered NGO Society / ward/ Prasad/Gram Panchayat etc that the candidate has undertaken 30 hours of social work. The candidate needs to audit pass.