

## **Master of Arts (MA) / Mater of Science (M.Sc) Anthropology**

### **Semester - I**

#### **Paper – I : Social Anthropology - I**

##### **Unit –I**

Basic understanding of the following concepts : Ethnicity, Globalization, Post- Modernism, Civil Society, Multiculturalism, Diaspora

##### **Unit-II**

**Marriage** : Nature and Definitions, Contemporary situation(same sex marriage, live-in-relationship), Marriage regulations and marriage payment: dowry and bride price. **Family** : Natural history of the human family, Types and functions of the family, The joint family system in India and its changing form, Universality of the nuclear family.

Impact of urbanization, feminist movement and globalization on marriage and family in India.

##### **Unit-III**

**Kinship** : The idea of Kinship system and its place in social structure. Morgans' classificatory and descriptive kinship systems. Contribution of Radcliffe-Brown and Murdock to the study of Kinship. Privileged familiarity : Joking relationship and avoidance. Descent : unilateral, bilateral and double descent system. Residence : virilocal, uxorilocal, neolocal, natolocal, ambilocal and avunculocal. Corporate kin groups, lineage, clan and kindred. Impact of urbanization on kinship ties in India.

##### **Unit – IV**

**Religion** : Myth and ritual, magic, religion and science. Taboo and totemism. Religion and its relation to the other social institutions. Politicization and commercialization of religion in India

#### **Suggested Readings**

1. Ember & Ember : Anthropology (Also available in Hindi)
2. John Beattie : Other Cultures
3. K.M Keesing : Cultural Anthropology
4. Peter Hammond : An Introduction to Cultural & Social Anthropology
5. U.S. Misra & Nadeem Hasnain : Introducing Social-Cultural Anthropology (Also available in Hindi)

#### **Paper - II : Evolutionary theories and Primatology**

##### **Unit-I**

Meaning of Evolution, Evolutionary facts. Theories of Organic Evolution; early thinkers – Buffon, Linnaeus, Cuvier, Lamarck, Charles Darwin and his theory of natural selection, New theories of Evolution; Neo-Lamarckism, Neo-Darwinism and Synthetic theory of Evolution, Neutral theory of Molecular Evolution.

## **Unit-II**

Evolutionary Concepts. Irreversibility, Parallelism, Convergence and Divergence, Orthogenesis and Cladogenesis, Adaptive radiation. Systematics and Taxonomy. Higher categories and concept of species.

## **Unit-III**

Order Primate; Evolutionary Trends, Characteristics and classification: Prosimians, Anthroidea – Ceboidea or New World Monkeys, Cercopithecoidea or old world Monkeys; Hominoidea-Pongidae or Apes and Hominidae or Genus-Homo (Homo sapiens).

## **Unit-IV**

Primate Behaviour and Ethology: patterns of social behaviour among Non- Human Primates, Primate Adaptations – Body size, Relative Brain Size, Group size. Process of Hominization and Distinctive Human Traits – Physical traits (Locomotion, Brain Size, Teeth), Behavioural Abilities (Sexual Behaviour, Tool Making, Language) and other behavioural traits.

## **Suggested Readings**

1. J.B Birdsell : Human Evolution
2. Bertram Krauss : The Basis of Human Evolution
3. W.W Howells : Mankind in the Making
4. Lasker & Tyzzer : Physical Anthropology
5. B.R.K. Shukla & Sudha Rastogi : Physical Anthropology & Human Genetics- An Introduction (Also available in Hindi)
6. Udai Pratap Singh : Jaivik Manav Vigyan (in Hindi)

## **Paper – III : Prehistoric Archaeology**

### **Unit-I**

Basic concepts and Methods: Archaeology and Anthropology, Brief introduction of different branches of archaeology-classical, historical, proto-historic, Environmental archaeology, Cultural ecology, Ethno-archaeology, Settlement archaeology, New archaeology/Processual archaeology, Urban archaeology, Action archeology, Survey, excavation, ordering, recording and explaining the past.

### **Unit-II**

The Pleistocene Ice Age and its stratigraphic evidence, Pluvial and inter pluvial period. Dating methods – Relative and absolute dating in archaeology.

### **Unit-III**

The origin, distribution, tool typology, technology and development of Paleolithic and Mesolithic culture in Europe; Brief account of various archaeological sites-Hadar, Laetoli, Olduvai Gorge, Koobi Fora, Terra Amata, Ambrona, Pech-lu-Aze Lazaret, Isimila, Kalambo Falls, Olorgesailie, Shanidar, Mount Carmel, Jericho; Palaeolithic-Sohan culture and Madras hand axe culture and Mesolithic age in India; Brief account of various archaeological sites-Didwana, Chirki, Hunsagi, Reningunta, Billa Surgam, Visadi, Patne, Pushkar, Hathnora,

Tilwara, Baghailkhor, Mahadaha, Damdama, Beidha, Karim-Shahir; Salient features of Neolithic Revolution, funerary customs in Neolithic Europe, Neolithic complex in India; Brief account of various Neolithic sites – Catal Huyuk, Jarmo, Khirokitia, Zami – chemi, Kili Ghul Mohammad, Rana Ghundai, Gumla, Sarai Khola, Ahar, Gilund, Eran, Maski, Palavoy, Paiyampalli, Kuchai, Dao-jali – Hading, Saru taru, Nagarjunkonda.

#### **Unit-IV**

Urban Revolution and civilization – Extent, origin, development and decay of Indus Valley civilization; Ganges Valley Civilization – OCP copper Hoards; Megalithic burials – General features of living and extinct Indian Megaliths, their types and distribution.

#### **Suggested Readings**

1. K.P Oakley : Man the Tool Maker
2. M.C Burkitt : Old Stone Age
3. H.D Sankalia : Stone Age Tools : Their Techniques, Names and Functions
4. D.K Bhattacharya : European Prehistory
5. D.K. Bhattacharya : Outlines of Indian Prehistory (Also available in Hindi)

#### **Paper – IV : Practical : Human Osteology**

Human osteology : Meaning. Human skeleton: Anatomical terms, types of bones, major bones of axial and appendicular skeleton. Ageing and Sexing of the Human skeleton.

#### **Semester - II**

#### **Paper - V : Social Anthropology - II**

##### **Unit-I**

Law and social control : definition and the cultural background of law. The Anthropological approach to the study of law (with examples). Extra legal means of social control.

##### **Unit-II**

Government and politics : Anthropological perspective on political organization. Stateless political systems. The rise of state and leadership; Ethnicity and nationality with special reference to India.

##### **Unit-III**

Economic organization : Modes of exchange-barter and ceremonial exchange, reciprocity and redistribution, Market and trade. Distinction between primitive and peasant economies. Impact of market economy on the rural and tribal population in India.

##### **Unit-IV**

Social stratification : Estate, class and caste. The major features of the caste system. Caste in India today. Caste and politics. The impact of caste system on non-Hindu religious groups in India.

#### **Suggested Readings**

1. Paul Bohannan : Social Anthropology
2. Ember & Ember : Anthropology (Also available in Hindi)
3. John Beattie : Other Cultures
4. Kottak : Mirror for Humanity

5. U.S. Misra & Nadeem Hasnain : Introducing Social-Cultural Anthropology (Also available in Hindi)

## **Paper – VI : Genetics and Human Variation**

### **Unit-I**

Genetics : meaning and its relevance in Physical Anthropology. Genetical principles; Mendelian Experiments and Inferences/ Laws. Morgan's principle of Linkage, Mendelian and Non-Mendelian Inheritance in Man, Sex-Linked, Sex-Influenced and Sex-Limited traits in human populations.

### **Unit-II**

Physical and Biological Basis of Life – Characteristics of Life and Living cell. Mitotic and Meiotic Cell division. Mechanism of Inheritance; Gametogenesis and fertilization.

### **Unit-III**

Unit of Variation, Human variation, Race – Ethnic group and Mendelian Population. Formation of Race/Ethnic group/ population, criteria for Racial Classification, Morphological, genetical, bio-chemical and Molecular approaches.

### **Unit-IV**

Races of the world; Blumenbach, Hootan, Weiner, Coon, Boyd and Ashley Montagu's Classification, Major Racial groups : Caucasoid, Negroid and Monogoloid, Racial Elements of Indian Subcontinent –Risley, Haddon, Guha and Sarkar's Classification.

### **Suggested Readings**

1. Bodmer & Sforza : Genetic Structure of Human Population
2. Daniel Hartl : Human Genetics
3. C.C. Li : Human Genetics
4. B.R.K. Shukla & Sudha Rastogi : Physical Anthropology & Human Genetics- An Introduction (Also available in Hindi)
5. Udai Pratap Singh : Anuvanshik Manv Vigyan (in Hindi)

## **Paper - VII : Anthropology of Complex Societies**

### **Unit-I**

Concept of complex society, simple and complex society compared. Anthropological approaches to the study of complex societies. British anthropologists' model, American anthropological approaches.

### **Unit-II**

Folk-Urban Continuum, Great and Little tradition, Concept of peasant society and peasant culture. Anthropological approaches to civilizational studies.

### **Unit-III**

Emergence of civilization, Typology of civilization, cultural role of cities, study of culture of poverty (Oscar Lewis), National character studies.

### **Unit-IV**

Emergence of Urban Anthropology with special reference to India. Urbanization and Industrialization, Nation building and national integration in India.

### **Suggested Readings**

1. Michael Banton : Anthropology of Complex Societies
2. R.G Fox : Urban Anthropology

3. Ulf Hannerz : Exploring the City : Inquiries an Urban Anthropology
4. Robert Redfield : Peasant Society and Culture
5. Association of Social Anthropologists : Social Anthropology of Complex Societies
6. Gaya Pandey : Jatil Samaj ka Manavshastra

**Paper – VIII : Practical : Anthropometry**

Craniometry (List of measurements provided by the department), Somatometry (List of measurements provided by the department), Statistical calculations based on readings.

**Semester - III**

**Paper - IX (Group A & B) : Research Methodology**

**Unit-I**

Definition, delimitation and formation of research problem; Hypothesis. Research design: Exploratory, descriptive, diagnostic and experimental types of social research

**Unit-II**

Distinction between survey methods and anthropological field work methods. Quantitative and Qualitative research. Preparation for field work and getting acquainted with the field. Establishment of rapport and use of native language. Cultural shock. Use of informants and the role of key informants in anthropological research.

**Unit-III**

Tools of data collection : observation, Interview : structured, unstructured and semi-structured, questionnaire, case study and extended case methods, Geneological method, Focused group interview. Sources of data collection : Primary and secondary, Sampling and its types. Participatory methodologies: Participatory learning and assessment (PLA), Participatory rapid assessment (PRA).

**Unit-IV**

Personal, official and historical documents and their use in anthropological research. Use of elementary statistical techniques; Mean, Median, Mode, Standard deviation. T-Test, Chi-square. Bivariate and Multivariate analysis. Processing of anthropological data : use of various types of graphs and report writing. SPSS.

**Suggested Readings**

1. Royal Anthropological Institute : Notes and Queries in Anthropology
2. Peldo & Peldo : Anthropological Research
3. H. Russel Bernared : Research Methods in Anthropology
4. V.K Srivastava : Methodology and Fieldwork
5. A.L. Epstein : The Craft of Social Anthropology

**Paper - X (Group - A) : General Anthropology (Linguistic Anthropology, Ecological Anthropology and Anthropology of Gender)**

**Unit-I**

**Linguistics and Anthropology:** anthropological contribution to linguistic issues. Ethnolinguistics and linguistics anthropology. Definition of language, language universals, nature and scope of socio linguistics.

**Unit-II**

**Structuralism in Linguistics** : Contribution of Ferdinand de Saussure and Prague Linguistics Circle, phonemes and morphemes distinguished, Anticipatory phonetics .

### **Unit-III**

**Ecological Anthropology** : Man and biosphere, Relationship between ecology, society and culture, concepts of eco-systems and their application in anthropology, Indigenous environmental knowledge, Eco-movements with examples from India

### **Unit-IV**

**Anthropology of Gender** : Approaches to gender studies, Concept of gender, social construction of gender, gender in the context of Indian society. Compare and contrast status of women and gender role across various regions and religions in India.

### **Suggested Readings**

1. Edwin Ardner : Social Anthropology and Language
2. J.Gumperz and D.Hymes : Directions in Social Linguistics
3. R.H Robbins : General Linguistics (Also available in Hindi)
4. Harish Sharma : Bhasha Vigyan ke Ruprekha
5. R.F. Ellen & P.H Burahan (ed.) : Social and Ecological Systems
6. D.L Hardesty : Ecological Anthropology
7. J.W Bennett : The Ecological Transition, Cultural Anthropology and Human Adaption

### **Paper - X (Group B) : Practical**

Physiological variants Techniques; pulse rate, blood pressure and Haemoglobin Estimation. Serological Techiques; ABO typing, MN typing and Rh Blood Grouping. Taste Sensitivity test; Phenylthiocarbamide (PTC) or Phenylthio urea Taste testing through serial dilution technique. Colourblindness assessment through Ishihara method, Dermatoglyphic analysis of Finger and Palmar Prints.

### **Paper - XI : Dissertation**

Field work is to be conducted for Three weeks at a place, which should be outside Lucknow preferably at least 20 kms away under the supervision of one or two faculty members. A thesis will be presented on the basis of the field work and a viva-voce examination will be conducted on it. The whole paper will be of 100 marks.

### **Paper - XII (Group - A) : Development Anthropology**

#### **Unit-I**

Meaning and scope of development anthropology. Development : Meaning and evolution of the concept. Sustainable development. Approaches and strategies of development in India. Adverse impact of development in India (Displacement and migration)

#### **Unit-II**

Poverty and development. Social justice and equity. Poverty alleviation programmes and special programmes in India. Human resource development (HRD).

#### **Unit-III**

Planning: concept, policy, and process. Social exclusion and inclusive development with special reference to India. Agencies for development : Government and non-governmental, People's participation.

#### **Unit-IV**

Rural development : Land reforms, community development programme (CDP), Panchayati Raj, Tribal Development. Under-development and North-South divide. Social Capital. Socio-cultural factors in Development with case studies.

### **Suggested Readings**

1. H. M Mathur (ed.) : Anthropology in the Development Process
2. H. M Mathur (ed.) : The Human Dimension of Development
3. G. M Foster : Traditional Societies and Technological Change
4. R. Pandey : Sociology of Development
5. L. P Vidyarthi (ed.) : Applied Anthropology in India
6. Tarlok Singh : Planning in India
7. George Dalton : Economic Anthropology and Development

### **Paper - XIII (Group - B) : Advance Human Genetics**

#### **Unit-I**

Human Genetics; meaning, scope and branches. Chromosomes and Genetic materials. Concepts of Gene, Molecular Concept of Gene and Deoxyribonucleic Acid (DNA). Role of RNA in DNA Synthesis, Gene Action; Dominance, Recessiveness, Pleiotropism, Epistasis (Intergenic interaction.)

#### **Unit-II**

Lethal and Sub-Lethal Gene, Incomplete Penetrance and Variable Expressivity. Genetic Hazards of Chromosomal Aberration. Methods of Genetic Inference; Pedigree analysis, Penrose – Sibpair Methods, Foster Children and Twin methods. Chromosomal analysis (Karyotyping)

#### **Unit-III**

Red Cell Enzymes and Serum Proteins; Glucose -6-Phosphate Dehydrogenises (G-6-PD), Transferrins (TF), Haemoglobin (HB) Thalassaemia, Haptoglobin: their inheritance and geographical distribution.

#### **Unit-IV**

HLA – System in Man, DNA Polymorphism, DNA Fingerprinting, DNA Recombinant Technique, Human Genome and HG Project. Aminocentesis and Genetic Engineering.

### **Suggested Readings**

1. G.A Harrison : Human Biology
2. Winchester : Principles of Genetics
3. H.Harris : Human Biochemical Genetics
4. Rothwell : Principles in Human Genetics
5. B.R.K. Shukla & Sudha Rastogi : Physical Anthropology & Human Genetics- An Introduction (Also available in Hindi)
6. Udai Pratap Singh : Anuvanshik Manav Vigyan (in Hindi)

### **Semester - IV**

#### **Paper – XIV (Group A & B) : Applied Anthropology**

##### **Unit-I**

Historical development of applied anthropology (world and India). Meaning, scope, nature, and concept of applied and action anthropology.

##### **Unit-II**

Innovation : Indigenous sources of change, Planning and directed change. Problems and issues arising out of the impact of modernization, industrialization, urbanization and technological change in traditional cultures.

### **Unit-III**

Application of anthropological knowledge in education, industry and programmes of culture change sponsored by government. Trauma and disaster management.

### **Unit-IV**

Application of anthropological knowledge in public health, medico-legal matters, disputed paternity, genetic counseling and race relations. Human genome project.

### **Suggested Readings**

1. H.Barnett : Anthropology in Administration
2. Y.Cochrane : Development Anthropology
3. G.M Foster : Traditional Cultures and Impact of Technological Change
4. L.Mair : Studies in Applied Anthropology
5. Sol Tax : Action Anthropology
6. L.P Vidyarthi (ed.) : Applied Anthropology in India

## **Paper - XV (Group A & B) : Medical Anthropology**

### **Unit-I**

Definition, aim, scope and subject matter of medical anthropology. Historical development of medical anthropology. Basic concepts: Illness sickness, disease, Theoretical perspectives in medical anthropology –medical systems as social, cultural and ecological systems.

### **Unit-II**

Application of anthropological knowledge in promoting healthcare in tribal and rural communities. Ethno medicine, medical pluralism, Traditional systems of medicine-classical system, alternative system.

### **Unit-III**

Genes and disease : Diagnosis and treatment . Social biology, human history and disease ecology. Social implications of human genetics: Genetic hazards of radiation.

### **Unit-IV**

Legal applications of genetic principles: Eugenics, Physique and its relation to Function, Disease and Behaviour. Classification of physique (somatotyping), Physique and behaviour, physique and disease, Concept of healing.

### **Suggested Readings**

1. G.M Foster & B.G Anderson : Medical Anthropology
2. Q.G Brown et al : Understanding and Applying Medical Anthropology
3. A.K Kalla & P.C Joshi : Tribal Health and Medicine
4. C. Helman : Culture, Health and Illness

## **Semester - IV**

### **Paper - XVI (Group A) : Theoretical Principles in Social-Cultural Anthropology**

#### **Unit-I**



Concept of Culture in anthropology-Contribution of Tylor, Kroeber and Malinowski, Concept of Cultural evolution, Diffusion, and Ethnography. Social anthropology and history. Norm and Value.

### **Unit-II**

Psychological anthropology: Basic personality structure and modal personality, National Character. John Whiting's contribution to psychological anthropology. The Comparative method in anthropology. The nature, purpose and methods of comparison in social-cultural anthropology

### **Unit-III**

Functionalism in social anthropology : Malinowski's theory of needs and Radcliff-Brown's concept of structural functionalism . The concept of latent function and manifest function. Social organization (Firth). Role (Nadel). Marxism and Anthropology.

### **Unit-IV**

Relationship and cross-fertilization between linguistics and anthropology, structuralisms in the disciplines. Social structure as model : views of Leach and Levi Strauss. The structuralist method in the study of myth. New ethnography and formal semantic analysis, Emic/Etic distinction and its relevance for social-cultural anthropology.

### **Suggested Readings**

1. Marvin Harris : Rise of Anthropological Theory
2. D. Malfejit : Images of Man
3. U.S Misra : Nratatva Chintan (in Hindi)
4. Gaya Pandey : Manav Shastriya Sidhdhant : Shastriya evam Adhunik

## **Paper – XVII (Group A) : Peasant Society and Contributions of some Important Scholars**

### **Unit-1**

Transformation of the primitive world, peasantry as a consequence of civilization. Peasant way of life (peasant ethos, attitude and world view)

### **Unit-2**

Peasant society and culture (economic, cultural, and rural aspects), Post-peasant conditions.

### **Unit-3**

Peasant movements and peasant rebellion with special reference to India. Impact of market economy on peasant society.

### **Unit-4**

Contributions of the following : Emile Durkheim, Maurice Godelier, Clifford Geertz, Fredrick Barth.

### **Suggested Readings**

1. J. Mencher (ed.) : Social Anthropology of Peasantry
2. R. Redfield : Peasant Society and Social Change
3. T. Shanin : Peasant and Peasant Society
4. E. Wolf : Peasants

## **Paper - XVIII (Group B) : Practical**

Advance Osteometry; Dioptrigraphic Tracing and Measurements of Bones-Femur, Tibia, Fibula, Pelvis, Clavicle, Scapula, Humerus, Radius and Ulna. Diagraphic Tracing and Measurements of Cranium. Karyotyping and Identification of Normal/Abnormal Human

Chromosomes. Sex-Chromatin Preparation of Buccal smear. Electrophoresis for Hb/Hp Variants as specified in the Department Laboratory. DNA Isolation and DNA Fingerprinting.

**Paper - XIX (Group B) : Perspectives in Palaeoanthropology**

**Unit-1**

Palaeoanthropology: meaning and its relevance in Physical Anthropology. Palaeoanthropological Evidences. Fossils and Fossilization; Survey of the Fossil finds (Fossil Deposits)

**Unit-2**

Geological Time scale and Dating of evidences – Relative and Absolute Dating methods, Perspectives of Taxonomy and Terminology, Grades, Clades and Phylogenetic Tree.

**Unit-3**

Emergence of Primates; The Environment and Continental drift. Tertiary Fossils and Ramapithecinae, Early Hominids; Early and Late Australopiths; Gracile and Robustus, Categories of Early Humans: Homo Habilis, Homo Erectus (Pithecanthropus and Sinanthropus). Homo sapiens; Archaic and Neanderthals.

**Unit-4**

Neanderthal problems, Early Modern Humans (Homo sapiens sapiens); Cro-Magnon, Chancelade and Grimaldi. Theories of Modern Human Origin; Evolutionary Population model, Punctuation model, Centre edge and Day's three models. Origin of Anatomically Modern Man; Out of Africa theory (Complete replacement Model), Multiregional Theory (Multiregional Continuity Model), Partial replacement model.

**Suggested Readings**

1. Boule & Vallios : Fossil man
2. T. Dobzhansky : Mankind Evolving
3. Simons : Primate Evolution- An Introduction to Man's Place in Nature
4. Shukla & Rastogi : Physical Anthropology and Human Genetics- An Introduction (Also available in Hindi)
5. Udai Pratap Singh : Jaivik Manav Vigyan (in Hindi)