

**VINOBA BHAVE UNIVERSITY, HAZARIBAG  
JHARKHAND**

**UNIVERSITY DEPARTMENT OF ANTHROPOLOGY**



**SYLLABUS  
FOR  
M.A. /M.Sc. PROGRAMME IN ANTHROPOLOGY  
UNDER CHOICE BASED CREDIT SYSTEM (CBCS)**

## 1<sup>st</sup> SEMSTER

Paper	Subject CODE	Nature Of the course	No. of Credits	Teaching (in hours hrs) per week	Minimum Teaching required	Full Marks		Pass Marks	
						Final	Internal	Final	Internal
I	ANT F 01	Foundation	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
II	ANT C 02	core	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
III	ANT C 03	core	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
IV	ANT C P04	Core/ Practical	<b>5</b>	<b>5</b>	<b>60/120</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
					<b>Total</b>	<b>280</b>	<b>120</b>	<b>140</b>	<b>60</b>

## 2<sup>nd</sup> SEMSTER

Paper	Subject CODE	Nature Of the course	No. of Credits	Teaching (in hours hrs) per week	Minimum Teaching required	Full Marks		Pass Marks	
						Final	Internal	Final	Internal
V	ANT 05	Skill development	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
VI	ANT C 06	core	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
VII	ANT C 07	core	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
VIII	ANT C P08	Core/ Practical	<b>5</b>	<b>5</b>	<b>60/120</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
					<b>Total</b>	<b>280</b>	<b>120</b>	<b>140</b>	<b>60</b>

### 3<sup>rd</sup> SEMSTER

Paper	Subject CODE	Nature Of the course	No. of Credits	Teaching (in hours hrs) per week	Minimum Teaching required	Full Marks		Pass Marks	
						Final	Internal	Final	Internal
IX	ANT A 09	Open Elective	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
X	ANT C 10	core	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
XI	ANT C 11	core	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
XII	ANT C P12	Core/ Practical	<b>5</b>	<b>5</b>	<b>60/120</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
					<b>Total</b>	<b>280</b>	<b>120</b>	<b>140</b>	<b>60</b>

### 4<sup>th</sup> SEMSTER

Paper	Subject CODE	Nature Of the course	No. of Credits	Teaching (in hours hrs) per week	Minimum Teaching required	Full Marks		Pass Marks	
						Final	Internal	Final	Internal
XIII	ANT E 13	Elective Theory	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
XIV	ANT E 14	Elective Theory	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
XV	ANT E 15	Elective Theory	<b>5</b>	<b>5</b>	<b>60</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
XVI	ANT E 16	Elective Theory	<b>5</b>	<b>5</b>	<b>60/120</b>	<b>70</b>	<b>30</b>	<b>35</b>	<b>15</b>
					<b>Total</b>	<b>280</b>	<b>120</b>	<b>140</b>	<b>60</b>

## 1<sup>st</sup> SEMSTER

Paper	Subject CODE	Nature of the course	Title of the course
I	ANT F 01	Foundation	Fundamental Anthropology
II	ANT C 02	Core	Social And Cultural Anthropology
III	ANT C 03	Core	Physical Anthropology (Human Origin And Evolution)
IV	ANT C P04	Core/Practical	Physical Anthropology Practical

## 2nd SEMSTER

Paper	Subject CODE	Nature of the course	Title of the course	
V	ANT 05	Skill Development	Skill Development	
			Skill Development Assessment	Skill Development Assessment (Computational Skills)
VI	ANT C 06	Core	Indian Anthropology	
VII	ANT C 07	Core	Indian Prehistory ( Theory)	
VIII	ANT C P08	Core/ Practical	Prehistory Practical	

## 3<sup>rd</sup> SEMSTER

Paper	Subject CODE	Nature of the course	Title of the course		
IX	ANT A 09	Open Elective	Generic Elective		
			ANTHROPOLOGICAL THEORY IN INDIAN CONTEXT (For Anthropology Student)	Biological Anthropology (Human Biology) (For other than Anthropology Student)	Comprehensive Anthropology (For other than Anthropology Student)
X	ANT C 10	Core	Research Methodology		
XI	ANT C 11	Core	Anthropological Theory		
XII	ANT C P12	Core/ Practical	Dissertation ( Based On Field Work)		

## 4<sup>th</sup> SEMSTER

### FOR SPECIALISATION IN SOCIAL AND CULTURAL ANTHROPOLOGY (Group A)

Paper	Subject CODE	Nature of the course	Title of the course
XIII	ANT E 13	Elective Theory	Medical Anthropology
XIV	ANT E 14	Elective Theory	Linguistic Anthropology
XV	ANT E 15	Elective Theory	Ecological Anthropology
XVI	ANT E 16	Project	Project Work

**OR**  
**FOR SPECIALISATION IN ANTHROPOLOGY IN PRACTICE**  
**(Group B)**

Paper	Subject CODE	Nature of the course	Title of the course
XIII	ANT E 13	Elective Theory	Applied And Action Anthropology
XIV	ANT E 14	Elective Theory	Urban Anthropology
XV	ANT E 15	Elective Theory	Visual Anthropology
XVI	ANT E 16	Project	Project Work

**FOR SPECIALISATION IN TRIBAL DEVELOPMENT (Group C)**

Paper	Subject CODE	Nature of the course	Title of the course
XIII	ANT E 13	Elective Theory	Tribal India
XIV	ANT E 14	Elective Theory	Tribal Development
XV	ANT E 15	Elective Theory	PVTG Of India
XVI	ANT E 16	Project	Project Work

**OR**  
**FOR SPECIALISATION IN BIOLOGICAL ANTHROPOLOGY**  
**(Group D)**

Paper	Subject CODE	Nature of the course	Name of the Course
XIII	ANT E 13	Elective Theory	Human & Population Genetics
XIV	ANT E 14	Elective Theory	Human Growth And Development
XV	ANT E 15	Elective Practical	Practical Physical Anthropology
XVI	ANT E 16	Project	Project Work

**OR**  
**FOR SPECIALISATION IN ARCHAEOLOGICAL ANTHROPOLOGY**  
**(Group E)**

Paper	Subject CODE	Nature of the course	Title of the course
XIII	ANT E 13	Elective Theory	Archaeological Anthropology of Europe
XIV	ANT E 14	Elective Theory	Environmental Archaeology
XV	ANT E 15	Elective Practical	Practical in Archaeology
XVI	ANT E 16	Project	Project Work

**Note: - Students of MA/M.Sc. 4th Semester have to choose one group for Specialisation**

# 1<sup>st</sup> SEMESTER

## PAPER-I

### ANT F 01: FUNDAMENTAL ANTHROPOLOGY

Full Marks: 100 (70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### UNIT – I

- A. Anthropology: History and subject matter; Relationship of Anthropology with Sociology, Psychology, History, Zoology, Geology, Economics and Political science.
- B. Main Branches of Anthropology
  - I. Socio-cultural anthropology : Meaning and Scope & History
  - II. Physical and biological anthropology : Meaning and Scope & History
  - III. Archaeological anthropology : Meaning and Scope & History
  - IV. Linguistic anthropology : Meaning and Scope & History

#### UNIT-II

Basic Concepts: society, group, Institution, Community, Band, Tribe, Chiefdom, State, Totem and Taboo.

Distinction between following concepts- society and culture. Social structure and social organization. Community and society. Culture and civilization. Band and tribe. Social change and cultural change. Ethnography and ethnology.

#### UNIT –III

Elementary genetics:

Concept of Human Genetics, Human Evolution & Variation

Mendel's Laws of Inheritance.

Biological basis of inheritance - Cell, Chromosome, Gene, DNA, Cell division.

## UNIT-IV

Anthropological concept of culture; Characteristics of culture

Aspects of culture: Material culture; non-material, Cultural relativism, Cultural integration, Dynamics of culture.

Concepts of Ethnocentrism, Ethnicity, Worldview, Environment and Ecology, Materialism and cultural Ecology.

### **Recommended readings:**

- Kroeber , A.L : Anthropology
- E, Adamson Hobel & Everett L. Forst : culture and social anthropology
- Frank Robert vivaldo : cultural anthropology handbook
- Radcliffe brown , A.R. : structure and function in primitive society
- Yinger Hilton : the scientific study religion
- Dube leela : sociology of kinship in india
- Karve iravati : kinship organization in india
- Vidyarthi L. P. & Roy B.K. : Tribal culture in india
- Vidyarthi L.P & Sahay K.N : Dynamics of tribal leadership in bihar
- Srinivas , M.N. : social change in india
- Kapadia , K.M : marriage and family in india
- Prabhu , P.N : hindu social organization
- Pandey , R.B. : hindu sanskaras
- Beals & hoijer : An Introduction to social anthropology
- Mair, lucy: An Introduction to social anthropology
- Honnigman , J.J : man , culture and society
- Balandier , G. : Political Anthropology
- Herskovit. M.J. : Economic Anthropology

## **PAPER –II**

### **SOCIAL AND CULTURAL ANTHROPOLOGY**

Full Marks:100 (70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### **UNIT-I**

History and development of social –cultural anthropology in India.

Various subfields of social anthropology with special reference to the following:

- i) Medical Anthropology:-meaning and scope
- ii) Action & applied Anthropology :-meaning and scope
- iii) Urban Anthropology :-meaning and scope
- iv) Political anthropology :-meaning and scope
- v) Psychological Anthropology :-meaning and scope
- vi) Economic Anthropology :-meaning and scope

#### **UNIT-II**

Some Emerging fields:

- a. Cognitive Anthropology :-meaning and scope
- b. Gender Anthropology :-meaning and scope
- c. Symbolic Anthropology :-meaning and scope
- d. Ecological Anthropology:-meaning and scope

#### **UNIT-III**

Family : Concept, definitions and its various types universality of family, function and types of family , Residence Pattern Approaches to study of family, stability and change in family, Trends of change in family. Impact of urbanization, industrialization, globalization, and feminist movements on family.

Marriage: Definition and problems of universal definition; Incest Rules and prohibited categories; Significance and functions of marriage; Type of marriage; Preferential & Prescriptive marriage; Marriage Payment: Dowry, bride-price, bride service; Way of



acquiring mates; Impact of Information technology (Internet & Mobile, Matrimonial) on marriage.

#### UNIT-IV

Kinship: Concept & definitions

Kin: definitions & type ( Consanguinal, affinal, agnatic; bilateral, fictive)

Kin -group - Lineage, Clan or Sib, Phratries , Moiety

Principle and types of Descent - Unilineal, Bilineal/Ambilineal , Parallel & double Descent

Kinship Terminology –

I. Classificatory & descriptive; Terms of reference & address;

II. Eskimo, Omaha & Crow, Iroquois ,Hawaiian, Sudanee

Kinship Behaviour - Joking and avoidance, Avunculate, Amitate, teknonymy and Couvade

Alliance theory of marriage

Theoretical debate in kinship – Morgan, Levi-Strauss, Leech, Needham and Schneider,

Recent changes in kinship system.

#### UNIT- V

Religion : Concept & Definition

- Theory of origin of religion
- Anthropological approaches to study of religion: evolutionary, psychological, functional
- Primitive religion - Animism, animatism, bongaism, fetishism, totemism
- Magic - Concept & Definition
- Type of Magic :- Black and white; contagious, defensive, destructive, imitative, sympathetic;
- Magico-religious functionaries : Priest, shaman, medicine-man, sorcerer, witch;
- Distinction between magic and religion;
- Functions of magic and religion

#### **Recommended readings:**

- Cohn. B.S. : India – Social Anthropology of Civilization
- Basham, A.L. : The Wonder That was India
- Gozetter Of India: People And Culture of India ( Vol I – V ) Selected Chapters
- Majumdar, D.N. : Races & Culture Of India
- Mandelbaum , D.S.: Society In India
- Prabhu, P.N. : Hindu Social Organization

- Singer, Milton : When A Great Tradition Modernizes
- Sarswati, M.N : Contribution To The Understanding Of Indian Civilization
- Dr. Kumar : Indian Society And Social Institution
- Dr. P.N Singh : Society And Social Institution
- Kachroo & Kachroo : Society In India
- Srivastava, A.R.N (Ed) : Bharat Me Manav Vigyan.

## **PAPER –III**

### **PHYSICAL ANTHROPOLOGY (HUMAN ORIGIN AND EVOLUTION)**

Full Marks:100 (70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### **UNIT-I**

Concept of biological evolution, evidence of organic evolution, Micro & Macro evolution. Evolutionary theories: Lamarckism, new Lamarckism, Darwinism, Neo-Darwinism, synthetic theory of evolution.

#### **UNIT-II**

Man's place in the animal kingdom.

General characters of mammal: its classification

General characters of primate: its classification

Living primates: distribution, salient features

Lemuroidae, Tarsioidae, Lorisiform, Platyrrhini, Catarrhini.

Living anthropoid apes: distribution, salient features

Gibbon, Gorilla, Orangutan, Chimpanzee

Physical features of man and apes: a comparative study.

Anatomical changes on acquisition of bi-pedalism in man

#### **UNIT-III**

Fossil primates: (Ramapithecus ,Dryopithecus ,and Gigantopithecus) : Discoveries, Distribution, Chronology, Salient features, Phylogeny.

Australopithecus Species: Discoveries, Distribution, Chronology, Salient features, Phylogeny.

Homo erectus: (Pithecanthropus, Sinanthropus and Heidelberg man) Discoveries, Distribution, Chronology, Salient features, Phylogeny.

Homo sapiens Neanderthalensis: Discoveries, Distribution, Chronology, Salient features, Phylogeny.

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

#### UNIT-IV

Race : the genetic concept of race. Criteria for racial classification, racial elements in Indian populations.

#### **Recommended readings:**

- Buettner, Janusch, John : Origin Of Man
- Campbell, B.: Human Evolution : Introduction To Man's Adaptation
- Dobzhansky, T.H. : Mankind Evolving.
- Clark, W.E.L. & Gros : History of the Primates
- Day, Michael : Guide to Fossil Man
- Wells, W. : Mankind in The Making – The Story of Human Evolution
- Clark, W.E. & Gros : The Antecedents of Man
- Huxley, J.S : Evolution of the Modern Synthesis
- Leakey, L. : The Progress and Evolution of Man in Africa
- Kraus, Betram : The Basic of Human Evolution
- Pfeiffer, John. E : The Emergence of Man
- Pribeam, David : The Evolution of Man
- Poirier, F.E : Fossil Man – An Evolutionary Journey
- Wasburn, S.L. : The Study Of Human Evolution
- Dash, Sharma, P : Human Evolution –An Introduction to Physical Anthropology
- Singh, Ripudaman : Sharirik Manav Vigyan
- Shukla, B.R.K & Sudha Rastogi : Physical Anthropology and Human Genetics- An Introduction
- Sarkar, S.S : Aboriginal Races of India
- Sarkar, R.M: Fundamentals of Physical Anthropology
- Das, B. M. : Outline of Physical Anthropology
- Guha, B.S : Racial Elements in Indian Population (1931 Census In India)
- Body, W.C : Genetics and Races of Man
- Coon, C. S. : The Leaving Races of Man
- Hooton, E.A : Up From the Ape

## **PAPER –IV**

### **PHYSICAL ANTHROPOLOGY PRACTICAL**

Full Marks:100 (70+30)

1. Identification and description of the bones and human skeleton.
  - a. Identification of human skull bones: (frontal, parietal, temporal, occipital, maxilla, zygomatic, ethmoid, sphenoid, mandible).
  - b. Identification of human post-cranial bones : Vertebral column (atlas, axis, typical cervical, thoracic, lumbar, sacrum), sternum, clavicle, scapula, humerus, radius, ulna, innominate, femur, tibia, fibula.
  - c. Identification of sex from skull and pelvis.
2. Craniometrics Measurements. Direct measurements on 5 human skulls and 5 mandibles.
3. Somatometric measurements & Somatoscopic observations on 5 individuals.
4. Ageing and Sexing of bones with special reference to sutural closure in Skull. Ossification and corruption of teeth.
5. Laboratory Record.
6. Viva- Voce.

#### **Recommended readings:**

- Das, B.M & Ranjan Deka: A Handbook of Anthropology
- Poddar, S. & Ajay Bhagat: Handbook of Osteology
- Oliver, Georges: Practical Anthropology
- Hrdlicka, A: Practical Anthropology
- Sarkar, S.S: A Laboratory Manual of Somatology
- Hollinshead, W. Henry: Textbook of Anatomy
- Singh, I.P & M.K Bhasin: Anthropology
- Dash, Sharma , P: Method of Research in Physical Anthropology. In Mario, D. Zamora Edited. Anthropological Research. Perspective and Field Work (Rex Book Store , Manila, Philippines)
- Mitra, Mitshari: Prayogic Manav Vigyan ( Part – II)

## 2<sup>nd</sup> SEMESTER

### PAPER -V

#### SKILL DEVELOPMENT ASSESSMENT

Full Marks:100 (70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### UNIT:I

Students will be made to learn the skill of writing:-

- (1) Plan proposal
- (2) Project Report
- (3) Synopsis
- (4) Schedule
- (5) Questionnaire
- (6) Annotated bibliography
- (7) Citation of references notes (end and footnotes)
- (8) Review of literature
- (9) Chapterization

#### UNIT: II

They will be further made to learn

- (1) Skill for participating in group-discussion
- (2) Making scholarly presentation with proper style of documentation
- (3)Preparing text for power point presentation
- (4) Conducting interviews

#### UNIT: III

Computer Fundamentals Introduction to Computers: Characteristics of Computers, Uses of computers, Types and generations of Computers

MS office: MSWord; MS Excel; MS Power Point

#### UNIT: IV

Introduction of software for data analysis: SPSS, Graphic

#### **Recommended Readings:**

- Royal Anthropological Institute of Great Britain and Ireland, Notes and Queries on Anthropology, London, Routledge and Kegan Paul Ltd.
- Allison & Hockey & Dawson, Andrew, After Writing Culture, Routledge.
- Maanen, John Van, Tales of the Field: On Writing Ethnography, Chicago, The University of Chicago Press.
- Pelto P.S. & Pelto G.H., Anthropological Research, London, Cambridge University Press.
- Young, Pauline, Scientific Social Surveys and Research.
- Wiener, J.S. & J.A. Lourie, Human Biology: A Guide to Field Methods.
- Papadimitriou Christos; “Computational Complexity”.
- Sipser Michael: “Introduction to the Theory of Computation”.
- Arora Sanjiv & Barak Boaz; “Computational Complexity: A Modern Approach”.
- Goldreich Oded; “Computational Complexity: A Conceptual Perspective”.

## PAPER –VI

### INDIAN ANTHROPOLOGY

Full Marks: 100 (70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### UNIT -I

The Indian Traditional Hindu Society Organisations-

- a. Varna, Ashram, Rina, Punarjanma, Karma, Purushartha.
- b. Hindu Marriage System.
- c. Joint family system- Characteristics, Merits And Demerits.
- d. Caste system-Characteristics, Merits And Demerits.
- e. Jajmani system-Characteristics, Merits And Demerits.
- f. Concept of Dharma In Hindu Society.
- g. Concept of Sanskar In Hindu Society.
- h. Basic characteristics of Hindu Kinship System.

#### UNIT -II

Contemporary Indian society

- a. Ethnic elements in Indian population
- b. Schedule Caste , Schedule tribe , Backward classes and Minority
- c. Major religions in India – Christianity, Islam, Buddhism, Jainism.

#### UNIT –III

Process of Social change in India-

Urbanization, Industrialization,Sanskritization,Westernization,Secularization, Modernization.

#### UNIT-IV

Basic concepts –Great tradition and little tradition, sacred complex, Universalization and Parochialization, Dominant caste, Tribe-caste continuum, Nature-Man-Spirit complex, Pseudo tribalism, Syncretism



### **Recommended readings:**

- Cohn. B.S. : India – Social Anthropology Of Civilization
- Basham, A.L. : The Wonder That Was India
- Gozetter Of India: People And Culture Of India ( Vol I – V ) Selected Chapters
- Majumdar, D.N. : Races & Culture Of India
- Mandelbaum , D.S.: Society In India
- Prabhu, P.N. : Hindu Social Organization
- Singer, Milton : When A Great Tradition Modernizes
- Sarswati, M.N : Contribution To The Understanding Of Indian Civilization
- Dr. Kumar : Indian Society And Social Institution
- Dr. P.N Singh : Society And Social Institution
- Kachroo & Kachroo : Society In India
- Srivastava, A.R.N (Ed) : Bharat Me Manav Vigyan.

## PAPER –VII

### INDIAN PREHISTORY (THEORY)

Full Marks: 100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### UNIT-I

Meaning of archaeological anthropology and ethno- archaeology.

Environmental change during quaternary in Europe and India.

Chronology : Dating Techniques:

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

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

#### UNIT-II

Stone tool typology: Chopper, chopping tools, Hand axe, Cleaver, Scrapers, Blades &Burin, Microlithic tool, Celts & Ring stones

Stone Age tool making technique: Block-on block or unveil, Direct percussion, cylinder hammer, Clactonian, Lavalloision, pressure flaking, polishing and grinding.

#### UNIT-III

Palaeolithic cultures of India: General Distribution, major sites, tool finds and culture.

- a. Lower Palaeolithic cultures of India
- b. Middle Palaeolithic cultures of India
- c. Upper Palaeolithic cultures of India

Mesolithic cultures of India: General Distribution, major sites, tool finds and culture.

#### UNIT-IV

Neolithic cultures of India: General Distribution; major sites; tool finds and culture; Neolithic revolution, emergence of human settlements and farming in India.

Megalithic cultures in India.

Indus valley civilization.

### **Recommended Readings:**

- Agrawal , P.P : The Archaeology of India
- Allchin, B.: The Rise Of Civilization of India And Pakistan
- Bordes, F. : The Old Stone Age
- Clark, G. : Archaeology And Society : World Pre- History: A New Prospective
- Hole, F. & R. F. Heiger : Introduction to Prehistoric Archaeology
- Okley : Man The Tools Maker
- Pfeiffer J.F. : The Emergence of Man
- Sankalia, H.D. : Prehistory & Prehistory of India And Pakistan
- Wheeler , M. : Early India And Pakistan
- Mishra , V.N & P.S
- Bellwood ( Eds) : Recent Advances in Indo- Pacific Prehistory
- Bhattacharya, D.K. : An Introduction to Prehistoric India

## **PAPER –VIII**

### **PREHISTORY PRACTICALS**

**FULL MARKS-100 (70+30)**

1. Tools techniques and tools families, house types (theoretical orientation)
2. Identification , drawing and description of representative tools of Palaeolithic , Mesolithic and Neolithic periods.
3. Technology – identification drawing and description of representative ethnographic object and implement used in hunting gathering fishing and agriculture.
4. Recored
5. Viva voce examination.

#### **Recommended readings:**

- Sankalia, H.D : Stone Age Tools : Their Techniques Name and Probable Functions.
- Redid , V. R. : Elements of Prehistory
- Bhattacharya, D.K : Old Stone Age Tools.

**3<sup>rd</sup> SEMESTER**  
**PAPER –IX GENERIC ELECTIVE**  
**ANTHROPOLOGICAL THEORY IN INDIAN CONTEXT**

(FOR ANTHROPOLOGY STUDENT)

**Full Marks: 100 (70+30)**

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

1. Civilization study: - Contributions of the following scholars.
  - A) Robert Redfield – Concept of folk society folk-urban Continuum. Little community. Peasant Society and Culture. Civilization and great and Little Tradition.
  - B) Oscar Lewis- Rural Cosmopolitan & Culture of Poverty.
  - C) Mckim Marriot- Universalization and Parochialisation.
  - D) Milton Singer- Concept of Cultural Complex Culture Media. Modernization of Great Tradition. Cultural Role of city.
  - E) Morris E.- Opler- Unity and Extension (with R.D. Singh)
2. Theories in Urban and industrial Anthropology : Orthogenetic Origin. Primary and Secondary Urbanization. The study of the following cities.
  - A. Madras: Milton Singer.
  - B. Wai: Mckim Marriot.
  - C. Calcutta: N.K. Bose.
  - D. Kanpur: D.N. Majumdar.
  - E. Gaya & Ranchi :Vidyarthi.
3. Theory in Political Anthropology: Concept of Dominant Caste- Numerical dominance. Religious dominance. Economic Dominance (M.N. Srinivas). Concept of individual dominance (S.C. Dubey) Caste, Politics and Voting Behaviours. Horizontal and Nationalism (Roy Burman). National Integration (N.K. Bose). Nation-building in independent India. (M.N. Srinivas). Pattern of Leadership (L.P. Vidarthi).
4. Origin and Development of India Anthropology: The three phases of Development: Formative period Constructive Period Analytical Period.
5. Life Sketch and Contributions of the following Indian Anthropologists.
  - A.) S.C. Roy.
  - B.) N.K. Bose.
  - C.) D.N. Majumdar.
  - D.) S.C. Dubey.
  - E.) M.N. Srinivas.
  - F.) L.P. vidyarthi.

### **Recommended readings:**

Harris, marvin : The Rise of anthropological theory

Makhan jha : Manav Shastriya Vichardhara

Mishra , U.S. : Nritatva chintan

Srivastava & sahay : Sanskritic manav vigyan

Vidyarthi, L.P : Rise of Anthropology ( vol I & II)

Upadhyay and pandey : History of anthropological thought

Upadhyay and pandey : Manav Shastriya Vicharak and Unki Vichardharayen.

### **3<sup>rd</sup> SEMESTER**

#### **PAPER –IX GENERIC ELECTIVE**

Full Marks : 100(70+30)

(FOR OTHER THAN ANTHROPOLOGY STUDENT)

**BIOLOGICAL ANTHROPOLOGY (HUMAN BIOLOGY)**

#### **Important Note:**

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### **UNIT-I**

Gene expressivity: Lethal genes, Sub-lethal genes, modifying genes, Co-dominance, Penetrance in man.

Inheritance of dermatoglyphic traits

Sex determination in man.

#### **UNIT-II**

Probability.

Hardy-Weinberg Equilibrium and its Applications.

Polymorphism: Transient and Balanced.

Concept of Gene Pool and Gene Frequency.

Mating Pattern: Random mating, Assortative mating.

#### **UNIT- III**

Human Chromosomes, Chromosome Karyotype – Banding Techniques.

Numerical and Structural Chromosomal abnormalities

Inborn errors of Metabolism: G6PD Deficiency, PKU, Alkaptonuria.

Genetic Counseling and pre-natal diagnosis.

## UNIT- IV

Occurrence of Mutation: Mutation Rate- Direct and Indirect Method.

Selection in Human Population

Inbreeding with Pedigree

Coefficient of Inbreeding.

Genetic hazards of radiation

### **Recommended readings:**

- Shukla, B.R.K & Sudha Rastogi : Physical Anthropology and Human Genetics- An Introduction
- Sarkar, S.S : Aboriginal Races of India
- Sarkar, R.M: Fundamentals of Physical Anthropology
- Das , B. M. : Outline of Physical Anthropology
- Guha, B.S : Racial Elements in Indian Population (1931 Census In India)
- Body, W.C : Genetics and Races of Man



### **3<sup>rd</sup> SEMESTER**

#### **PAPER –IX GENERIC ELECTIVE**

Full Marks : 100(70+30)

#### **COMPREHENSIVE ANTHROPOLOGY**

(FOR OTHER THAN ANTHROPOLOGY STUDENT)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### **UNIT-I**

Basic Concepts: society, group, Institution, Community, Band, Tribe, Chiefdom, State, Totem and Taboo, Culture and civilization, Social change and cultural change, Ethnography and ethnology.

#### **UNIT-II**

Family : Concept, definitions and its various types ; function of family ; Trends of change in family; Impact of urbanization, industrialization, globalization, and feminist movements on family.

Marriage: Concept, definitions and its various types; function of marriage; Impact of Information technology (Internet & Mobile, Matrimonial) on marriage.

#### **UNIT-III**

Palaeolithic cultures of India: General Distribution, major sites, tool finds and culture.

Mesolithic cultures of India: General Distribution, major sites, tool finds and culture.

Neolithic cultures of India: General Distribution; major sites; tool finds and culture

Megalithic cultures in India

#### **UNIT-IV**

The basic techniques of data collection –

- a. Observation : Meaning, Type, Merits and Demerits
- b. Interview : Meaning, Type, Merits and Demerits
- c. Case Study : Meaning, Merits and Demerits

- d. Life history : Meaning, Merits and Demerits
  - e. Genealogy : Meaning, Merits and Demerits
  - f. Questionnaire and schedule: Meaning, Type, Merits and Demerits
- II. Projective tests, PRA & RRA.
- III. Sampling: Meaning, Type, Method, Merits and Demerits

**Recommended readings:**

- Dr. Kumar : Indian Society And Social Institution
- Dr. P.N Singh : Society And Social Institution
- Hole, F. & R. F. Hejger : Introduction to Prehistoric Archeology
- Sankalia, H.D. : Prehistory & Prehistory of India And Pakistan
- Madge , J.: The Tools Of Social Science
- Bajpai, S.R. : Methods Of Social Survey And Research
- Hans Raj : Social Survey And Research

# PAPER –X

## RESEARCH METHODOLOGY

Full Marks: 100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

### UNIT-I

- I. Distinction between – Methods, Methodology, Techniques & approach. Field work and Social Survey.
- II. Formulation of research design: Review of literature, conceptual framework, formulation of research problem, formulation of hypothesis, sampling, tools and techniques of data collection, data analysis and reporting, guiding ideals and critical evaluation of major approaches in research method
- III. The fieldwork tradition in Anthropology in India – Tribal studies, Village studies, Caste studies and Religion studies.
- IV. Library work & preparation of reference and bibliography

### UNIT-II

- I. The basic techniques of data collection –
  - a. Observation : Meaning, Type, Merits and Demerits
  - b. Interview : Meaning, Type, Merits and Demerits
  - c. Case Study : Meaning, Merits and Demerits
  - d. Life history : Meaning, Merits and Demerits
  - e. Genealogy : Meaning, Merits and Demerits
  - f. Questionnaire and schedule: Meaning, Type, Merits and Demerits
  - g. Projective tests
- III. PRA & RRA.
- IV. Sampling: Meaning, Type, Method, Merits and Demerits

### UNIT-III

- I. Types of data: classification, tabulation and graphic presentation.
- II. Statistical analysis – mean, median, mode, average and standard deviation.
- III. Anthropological approaches – textual-contextual, inductive-deductive, etic-emic, synchronic-diachronic, descriptive-thematic, micro-macro, historical and cognitive approach.

#### IV. Recent Approaches

- a. Participatory Research    b. Action Research    c. Operations Research    d. Public-Private Partnership

#### UNIT-IV

- I. Research methodology in physical anthropology:  
    i. Genetic methods      ii. Morphological methods
- II. Research methodology in prehistory:  
    i. Exploration          ii. Excavation

#### **Recommended readings:**

- Evans-Prichard , E.E : Social Anthropology (Selected Chapter)
- Firth, R. : Social Anthropology ( Selected Chapter)
- Goode W.G. & P.K Hutt : Methods Of Social Research
- Jahoda , M Ehal : Research Methods In Social Relations
- Madge , J.: The Tools Of Social Science
- Murdock G.P Ethal : Outline Of Cultural Materials
- Pelto, P.J : Anthropological Research
- Royal Anthropological Institute : Notes And Queries On Anthropology
- Bajpai, S.R. : Methods Of Social Survey And Research
- Hans Raj : Social Survey And Research
- Mukarjee , R.N. : Samajik Sarvekshan Va Shodh
- Gultong , J. : Theory And Methods Of Social Research
- Lundeerg , G.A.: Social Research
- Yonga, P.V.: Scientific Social Surveys And Research

# PAPER-XI

## ANTHROPOLOGICAL THEORY

Full Marks : 100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

### UNIT -I

- a. Evolutionary Theory: - Basic assumptions of 19<sup>th</sup> century evolutionary theory.
- b. Classical (Unilinear) evolutionists :-
  - ii. British Evolutionist: E:B. Taylor. H.J.S. Maine. J.F. Maclellen & S.G.J frazer
  - iii. German (Continental) Evolutionist: J.J. Bachofen, Adok Bastian
  - iv. American Evolutionist: L.H.Morgan.
- c. Neo evolutionary theory: Contributions of the following:-
  - I. Universal Evolutionist Leslie White ,V.G.Childe
  - II. Multi Linear Evolutionist Julian H. Steward.
  - iii. General and Specific Evolutionist: Sahlins and Service.

### UNIT -II

Diffusionism : British School, German School & American School

### UNIT -III

1. Functional Theory. Basic, assumptions.  
Contributions of Malinowski on functionalism in culture, theory of need and cultural response ,filed work ,Ethnography , Economic Anthropology& Transnationalism.
2. Structural-Functional Theory:- A.R. Radcliffe- Brown , E. Evavs Pritshard , R. Firth ,G.P. Mardock.

### UNIT -IV

- I. Culture and personality theory:- Basic Assumptions Contributions of:
- A) Margaret, Mead: Socialization Process, Impact of culture on Personality.  
Photographic study of Culture at a distance.
  - B) Ruth Benedict: Configuration of culture, impact of personality on culture.  
National Character study.
  - C) Kardiner & R. Linton: Basic Personality Type:
  - D) Du-Bois: Modal Personality type.

II. Structural Anthropology: Basic Assumptions

Contributions of Levi- Strauss on: - Social Structure Model, Statistical and mechanical model and Alliance model. Kinship study Totemism. Analysis of myth.

III. Post-Modernism

IV. Matterlism: Historical, Dialectical, Cultural, Human Matterlism

**Recommended readings:**

Makhan jha : Manav shastriya vichardhara

Mishra , U.S. : Nritatva chintan

Srivastava & sahay :Sanskritic manav vigyan

Vidyarthi, L.P : Rise of anthropology ( vol I & II)

Upadhyay and pandey : History of anthropological thought

Upadhyay and pandey : Manav shastriya vicharak and unki vichardharayen.

## **Paper – XII**

### **DISSERTATION (BASED ON FIELD WORK)**

Full Marks : 100(70+30)

- A. A training field technique: A student has to stay in the field for 30 days under supervision of a teacher deputed for this purpose by head of the department.
  
- B. Field dissertation: Every student have to submit the field report (on the basis of the above field work) within one month after completion of his/her field work or before the commencement of examination of theory papers – whichever is earlier.

#### **Recommended readings:**

Murdock, G.P: Outline of Cultural Material

Royal Anthropological Institute: Notes and Quarries in Anthropology

**4<sup>th</sup> SEMSTER**  
**FOR SPECIALISATION IN SOCIAL AND CULTURAL**  
**ANTHROPOLOGY (Group A)**

**PAPER XIII**

**MEDICAL ANTHROPOLOGY**

Full Marks : 100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

UNIT – I

1. Meaning and scope, changing concepts of health and disease, of culture and lifestyle in relation to health and disease
- 2.. Ethno medicine, magico-religious practices, indigenous medical systems and medical practitioner ethno botany
3. Plural systems of medicine traditional system as part of culture and life style Ayurved, Unani Naturopathy. Tibetan, Chinese basic principles, Ressurgence of traditional medical systems in the west and India

UNIT- II

1. Epidemiology basic principles: epidemiology of common communicable and non-communicable diseases, Malaria , T.B. ,Leprosy, STD, Diabeties, Cancer and Cardiovascular diseases, mental health, National disease control programmes)

UNIT –III

1. Medical statistics measurement of morbidity and mortality rates incidence and other statistics.
2. Health promotion and health programmes, nutrition, RCH, family welfare, health education ageing (Peoples perspectives to be focused)
- 3.Health and environmental water pollution, air pollution, noise pollution.



## UNIT –IV

1. National health policy, historical review, Health care delivery in India rural and urban, Response of the people.
2. Voluntary efforts in community health and development. Some case studies of community participation.
3. Anthropological approach to health systems research, uses of an anthropological research method and evaluation judicious mix of qualitative and quantitative research methods.

### **Recommended readings:**

- Medical Anthropology: Foster, George
- Handbook of Medical Anthropology: Freeman, H.E. et al
- Culture, Disease and Healing: Landy, D.
- Culture, Health and Illness: Helman Cecil, Wright Bristol, 1985
- Folk illness and Ethnomedicine: Banerjee B.G. and R. Jalota
- Applied Anthropology in Medicine: Coudil, W.
- Social Anthropology and Medicine: Loudon, J.B.
- Doctors and Society: Madan T.N.
- Forensic Anthropology: Steward T.D.
- Crime and Detection: Symans, J.
- Methods in Forensic Anthropology: Nicoles
- Forensic Science and laboratory: Turner
- Practical Finger printing: Bridges
- Finger, Palm and Sole Prints: Chatterjee
- Methods in Forensic Science: Lundquist, F. and A.S. Curry
- Modern Trends in Forensic Medicine: Ment
- Anthropology Part-I: Jha and Baranwal

## **PAPER –XIV**

### **ANTE: 14 Linguistics Anthropology**

Full Marks : 100 (70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

1. Anthropology, linguistics and other sciences. Nature of human language, division of linguistics: relation between linguistics and anthropology, sociology, psychology, philosophy, Neuro-physiology, etc.
2. Origin and evolution of language: early theories of origin of languages: language and biological evolution.
3. Acquisition of language and development of writing: stages of child language acquisition: acquisition of second language; chronology of development of writing.
4. Structure of human communication: a) Non -verbal communication – paralinguistic, kinesics, proxemics, chronemics and sign languages, b) verbal communication – principles of phonology, morphology, syntax, and semantics.
5. Language and social structure : linguistics in the 19<sup>th</sup> century and before : origin of structural study of language : structural analysis in linguistics and anthropology
6. Language and culture: the American descriptivism; the sapir-whorf hypothesis; cognitive anthropology; ethnography of communication.
7. Social context and language use: speech variation with regard to age, sex, class, occupation etc ; multilingualism and diglossia ; lingua franca , pidgin and creole.
8. Directions of language change: phonological, morphological, lexical and semantic change of language.

#### **Recommended readings :**

1. Akmaïian. A. et.al. Linguistics (3<sup>rd</sup> Edition)
2. Bell, R.T. Sociolinguistics : Goal, approaches and problems

- |   |   |
|---|---|
| 3. Bernstein, B.                            | Class, codes and control  |
| 4. Bloornfield                              | Language  |
| 5. Bolinger,D. :                            | Aspects of language ( 2 <sup>nd</sup> edition)  |
| 6. Brigh.W. (Ed)                            | Sociolinguistics  |
| 7. Fasold, R.                               | Sociolinguistics of society   |
| 8. Formkin, V. and<br>Edition)<br>R. Rodman | An Introduction Of Language ( 5 <sup>th</sup>   |
| 9. Giglioli , p.p (ed)                      | Language and social context   |
| 10.Gumperz,J.J                              | Directions in Sociolinguistics : The Ethnography<br>and D.hymes(eds.)of communication |
| 11.Hickerson, N.P                           | Linguistics Anthropology  |
| 12.Hockett , C.F                            | An introduction of modern linguistics   |
| 13.Hymes, Dell (Ed.)                        | Language in culture and society   |
| 14.Misra, K.K                               | A Textbook of anthropological linguistics   |
| 15.Pride,J.B                                | Sociolinguistics  |
| 16.Saville-trolke, M                        | Ethnography of communication  |
| 17.Trudgill, P.                             | Sociolinguistics  |
| 18.Mishra, K.K                              | A Textbook of anthropological linguistics   |
| 19.Upadhyay and pandey                      | Samajik-Sanskritic Manavshastra   |

**PAPER – XV**  
**ECOLOGICAL ANTHROPOLOGY**

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

UNIT-1

Concept of ecology: the concepts of adaptation, environment, technology and economy.

UNIT-2

The various modes of adaptation in pre-industrial societies

- a) Hunting and food-gathering
- b) Fishing
- c) Pastoralism
- d) Horticulture
- e) Shifting cultivation
- f) Settled cultivation

UNIT-3

The foundations and theories of human and environment relationships:

- a) Materialism and environmental determinism
- b) Historical particularism and Age-Area; the influence of German diffusionism
- c) Environmental particularism
- d) Cultural ecology and multilineal evolution
- e) Cultural Materialism
- f) Eco-systems approach

UNIT-4

Ecology and its contemporary relevance:

- a) Deep Ecology
- b) Eco-movements with Indian examples
- c) Ecology and health

**Recommended readings:**

- Cohen (1974) Man in Adaptation, Chicago, Aldine.

- Marvin Harris (1975) *Cows, Pigs, War and Witche*  
York, Random House
- Daryl Forde (1957) *Habitat, Culture and Society*, London, G.Methuen & Co . 4.  
Kaplan and Manners (eds.) (1968) *Theories in Anthropology*, London Routledge &  
Kegan Paul.
- Roy Rappaport (1975) *Pigs for Ancestors*, New Haven, Yale University Press.
- Marvin Harris (1969) *Rise of Anthropological Theory*, London Routledge & Kegan  
Paul.
- Michael R. Dove, C. Carpenter (2008) *Environmental Anthropology: A historical  
reader*, Cambridge University Press .
- Sutton, M.Q., E.N. Anderson (2004) *Introduction to Cultural Ecology*, Oxford Berg.

### **PAPER – XVI**

### **PROJECT WORK**

Full Marks:100(70+30)

Project work based on library / field work has to be prepared on a topic related to specialization duly approved by the head of the department.

**4<sup>th</sup> SEMSTER**  
**FOR SPECIALISATION IN ANTHROPOLOGY IN PRACTICE**  
**(Group B)**  
**PAPER XIII**  
**APPLIED AND ACTION ANTHROPOLOGY**

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

UNIT- I

Meaning and Scope of Applied Biological Anthropology.

Anthropology of Sports.

Nutritional Anthropology.

Designing of defence equipments.

Defence Services.

UNIT- II

Applications of Human Genetics: Medico - Legal cases, Eugenics.

Genetic screening, Genetic counseling, Genetic engineering.

Human Genomics & its applications.

UNIT -III

Meaning & Scope of Applied Social Anthropology.

Applied & Action anthropology.

Applications of Anthropological theory and methodology in the field of tribal development.

UNIT- IV

Applied anthropology in industry.

Applied anthropology in education.

Applied anthropology in public health

National health programme.

### **Recommended Readings:**

1. Kroeber. Anthropology Today.
2. Curt Stern. 1968. Principles of Human Genetics. Eurasia Publishing House (Pvt.) Ltd., Ram Nagar, New Delhi-1 (India).
3. Steine. Biosocial Genetics.
4. Karp, E. Genetic Engineering.
5. Bodmer and Cavalli-Sforza. Genetics of Human Populations.
6. Strachan, T. and Read, A.P. 1999. Human Molecular Genetics. BIOS Scientific Publishers Ltd, Oxford. (574.8732, STT H, 84237).
7. Backer, PT and Weiner (Eds), The Biology of Human Adaptability.
8. Beal, Virginia, Nutrition and the Life Span
9. Beutler, E., Red Cell Metabolism: A Manual of Biochemical Methods
10. Brock and Mayo, The Biochemical Genetics of Man
11. Craig, Human Development
12. Burdette, WJ, Methodology in Human Genetics
13. Emery, AEH, Elements of Medical Genetics
14. Eveleth, PB and Tanner, JM Worldwide Variation in Human Growth
15. Forbes, GB, Human Body Composition
16. Sodhi, HS, Sports Anthropology
17. Willigt, JV, Applied Anthropology: An Introduction
18. Crow, J.F. & Kimura, M., An Introduction to Population Genetic Theory.
19. Stern, C., Principles of Human Genetics.
20. Winchester, A.M., Human Genetics.
21. Giblett, E.R., Genetics Markers in Human Blood.
22. Bhende and Kanitkar, Principles of Population Studies.
23. Cox, Peter, Demography.
24. Houser & Duncan, The Study of Population.
25. Shryock and Shryock, Methods and Materials of Demography
26. Shukla, B.R.K. & Rastogi, S., Physical Anthropology and Human Genetics An Introduction.
27. McKusick, V.A., Human Genetics.
28. Li, C.C., Human Genetics
29. Malhotra, K.C. & ISHG, Calcutta, Statistical Methods in Human Population Genetics, IBRAD, ISI
30. Wright, S., Evolution and Genetics of Population
31. Harrison, G.A. & A.J. Boyce, Structure of Human Population.
32. Stanfield, W.D., Theory and Problems of Genetics.
33. Bhamarh, H.S. & Chaturvedi, C.M., A Textbook of Genetics.
34. Rieger, R. et al., Glossary of Genetics – Classical and Molecular
35. Mange, J.E. & Mange, A.P., Basic Human Genetics.
36. Rothwell, N.V., Human Genetics.

## **PAPER XIV**

### **URBAN ANTHROPOLOGY**

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### **UNIT 1**

Emergence of urban anthropology: Introduction, Extension of the anthropological interest in peasants and rural areas, Origins of Cities and Early Sociological Approaches, Urban planning and design

#### **UNIT 2**

Political economy: Rural-urban migration, kinship in the city, problems that arise from urbanism, poverty and social stratification

#### **UNIT 3**

Class approach: Culture of Poverty and the Underclass Approach, Comparison between relations function in an urban setting versus function in a rural setting, Race and Class in Urban Ethnography, Urban Dystopia

#### **UNIT 4**

Urban Inequality and Disasters: Poverty, extended family for urban natives versus migrants , Global Cities and the Production of Space, Community study and urban ecology, Urban Space, Postmodern and Hypermodern City

#### **UNIT 5**

Global Urban Developments: Urban ethnography research and methodology, Contemporary urban issues: Suburbs, Exurbs and Urban Decline, disciplinary perspectives

#### **Recommended reading:**

- <http://www.oxfordbibliographies.com/>
- Cities, classes and the social order. Anthony Leeds, Roger Sanjek
- Childe, V. Gordon. 1950. “ Urban Revolution.” Town Planning Review
- Low Reader Part V: “The Postmodern City” in Low pp. 317-377;
- Dear and Flusty .“Anthropological Fieldwork in Cities”, “The anthropology of Cities: Some Methodological Issues”.



**PAPER – XV**  
**VISUAL ANTHROPOLOGY**

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

UNIT 1

Introduction to Visual Anthropology. Visual Culture. Photographic and Digital Media: Still, Interactive and Moving.

UNIT II

Theory and Representation. Anthropology and Images: Ethno photography and ethnographic films and mass media. Theories of representation, modern media and political advocacy.

UNIT III

Early Ethnographic Photography: Contexts and Trends. Anthropology of Art and Aesthetics: Critical reflection on the relation of images, objects and persons. Objects and images from other societies valued as 'art'.

UNIT IV

Ethnographic Photography: Conventions and Methodologies. Paradigms and Debates. Ethnographic Films: Theoretical issues concerning ethnographic film, ethical dimensions of ethnographic film, Interdependency of technology and culture.

UNIT V

Cinema Studies with emphasis on key feature, documentary and ethnographic films with a focal theme - the examination of the 'language of film'

**Recommended reading:**

- Marcus Banks and Howard Morphy, 1998, Rethinking Visual Anthropology
- David MacDougall Transcultural Cinema, (Princeton, 1999)
- Ruby, Jay. 1996. "Visual Anthropology." In Encyclopedia of Cultural Anthropology, David
- Levinson and Melvin Ember, editors. New York: Henry Holt and Company, vol. 4: 1345-1351. Ch. 1, "Reading Pictures," pp. 1-12 [From: Banks, Marcus. 2001. Visual Methods in Social Research. London: Sage.]

## **PAPER – XVI**

### **PROJECT WORK**

Full Marks:100(70+30)

Project work based on Development Programme / field work has to be prepared on a topic related to specialization duly approved by the head of the department.

**4<sup>th</sup> SEMSTER**  
**FOR SPECIALISATION IN TRIBAL DEVELOPMENT (Group C)**  
**PAPER XIII**  
**TRIBAL INDIA**

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

UNIT -I

Tribal: Concept, Definition and Nomenclature.

Linguistic classification, Geographical distribution and Economic classification of Indian tribes.

UNIT-II

Social organization – types of marriages and ways of acquiring mates, divorce and remarriage

- a. Types of family
- b. Kinship system
- c. Clan and totem
- d. Youth dormitories

UNIT-III

Economic Organization: Definition, scope and significance; Primitive, Peasant and Modern economy; Principles of production, distribution and consumption in Simple Society Distribution - Reciprocity and exchange; Gift, trade, barter, currency & market economy; Subsistence, surplus and prestige economy: Kula Ring and Potlatch; Hunting-gathering, pastoral, agricultural and industrial economic organization;

UNIT-IV

Political Organization

Concept of authority, power, rank, leadership, legitimacy and control;

Types of political organization

Justice, jurisprudence, law, and social control; customary law; primitive law; conflict, coercion and consensus models of dispute settlement;

Informal means & Formal means of social control

Tribal leadership, tribal elite Ethnicity

Tribal movement -tribal autonomy, movement in chhotanagpur

### **Recommended Readings:**

- Vidhayrthi and Rai: Tribal Culture of India
- Fuchs, Stephen : The Aboriginal Tribe of India
- Bose, N.K. : Tribe life of India
- Ghurye, G.S: The Scheduled tribes of India
- Upadhaya and Pandey: Tribal development in India
- Chaudhury : Tribal development in India
- Sharma, B.D.: Basic issues in Tribe Development
- Singh K.S.: Tribal Movements In India
- Vidyarthi LP and BN Sahay (2001). Applied Anthropology and Development in India, National Publishing House, New Delhi.
- Vidyarthi LP. (1990). Applied Anthropology in India – Principles, Problems and Case Studies. Kitab Mahal, U.P.
- Vidyarthi V (1981). Tribal Development and its Administration. Concept Publishing Company, New Delhi.

## PAPER – XIV

### TRIBAL DEVELOPMENT

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### UNIT-I

I. History of Tribal development- Changing approaches/Models.

- Development Efforts since Independence (CDP, TDA, TDB, TDP, SMPT, PTG upliftment Projects).
- Tribal sub-plan.
- Modified Area Development Approach (MADA).
- Critical appraisal of Tribal sub-plan

II. History of Administration of Tribal Areas.

#### UNIT-II

Programmers for tribal development and their implementation – with special reference to IRDP- (DWCRA, TRYSEM), JRY (Indira Awas Scheme, Million Wells/Jal Dhara, Social Forestry), MNREGA, National Family benefit Scheme, National Old Age pension scheme, National Nutritional Scheme, , Urban Self-Employment Scheme, National Maternity benefit Scheme, ICS, LAMPS, TRIFED.

#### UNIT-III

Problems of Tribal Communities-Land alienation poverty, Indebtedness, Bonded labour, Shifting Cultivation, Housing Drinking, Communication, Low-Literacy, Unemployment and under-employment, Health and Sanitation/Mal-nutrition Labour migration.

Emergence of identity crisis, ethnicity, ethnic crisis, & ethnic violence.

Tribal movements in Jharkhand

#### UNIT-IV

Role of Anthropologists in Tribal Development (Pre and Post-Independence Era)

- Conceptual level

- Strategy level
- Monitoring and Evaluation

Govt. Agencies associated with Tribal Research/Development

- Planning Commission
- Anthropological Survey of India.
- Tribal/Cultural/Harizan Research Institutes.

Women's Participation in Tribal Development.

**Recommended reading:**

- Vidhayrthi and Rai: Tribal Culture of India
- Fuchs, Stephen : The Aboriginal Tribe of India
- Bose, N.K. : Tribe life of India
- Ghurye, GS: The Scheduled tribes of India
- Upadhaya and Pandey: Tribal development in India
- Chaudhury : Tribal development in India
- Sharma, B.D.: Basic issues in Tribe Development
- Singh K.S.: Tribal Movements In India
- Vidyarathi LP and BN Sahay (2001). Applied Anthropology and Development in India, National Publishing House, New Delhi.
- Vidyarathi LP. (1990). Applied Anthropology in India – Principles, Problems and Case Studies. Kitab Mahal, U.P.
- Vidyarathi V (1981). Tribal Development and its Administration. Concept Publishing Company, New Delhi.

## PAPER – XV

### PARTICULAR VULNERABLE TRIBAL GROUP OF INDIA

#### (PVTG/PTGs)

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

- 1) Tradition of PVTG /PTGs ethnography in India.
- 2) Territorial distribution
  - a) Himalaya region and Eastern India
  - b) Central India
  - c) Western India
  - d) Southern India
- 3) Classification of PVTG/PTGs in India
  - a) Linguistic
  - b) Ethnic
  - c) Economic
  - d) Cultural
- 4) PVTG/PTGs Organization in India
  - a) Economic organization
  - b) Social organization
  - c) Law and Political organization
  - d) Religion and Magic
  - e) Literature and Art
- 5) Approaches to study the of problems of PVTG. History of PVTG welfare in India Constitution and Tribes.
  - 1) Tribal Problems as: a) Distinct Problems. b) As regional and national problems.
  - 2) Problems of: a) Land and Agriculture. b) Forest. c) Indebtedness. d) Communication e) Education f) Health g) Industrialization h) Co-Operation i) Democratic decentralisation j) Housing k) Village Industries

#### **Recommended readings:**

- Gurey, G.S : The scheduled tribes
- Majumdar, D.N : Races and cultures of India
- Thakkar, A.V. : The problem of Aborigines in India
- Planning commission : Report of the study team of tribal development
- Planning commission : Report of development tribal areas (1981)
- Ministry of home affairs : Report of committee of forest and tribals in india
- Sachchidananda : shifting cultivation
- Vidyarthi, L.P : Socio-cultural implication of industrialization in India
- Raghavaiah, V. : Tribal revolts
- Singh, K.S. (Ed) : The People of India

### **PAPER – XVI**

### **PROJECT WORK**

Project work based on library / field work has to be prepared on a topic related to specialization duly approved by the head of the department.



**4<sup>th</sup> SEMSTER**  
**FOR SPECIALISATION IN BIOLOGICAL ANTHROPOLOGY**  
**(Group D)**  
**PAPER XIII**

**HUMAN & POPULATION GENETICS**

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

UNIT – 1

Scope of human genetics: structure and function of cell, chromosome and gene Genes and character.

UNIT – 11

Human heredity: Mendelian principle in man autosomal dominant, Autosomal recessive, Sex linked; sex influenced and sex limited traits. Concept of penetrance and expressivity, mono genic, poly genic, Multiple allele and multi factorial nature of inheritance

UNIT – 111

Methods of studying heredity: Pedigree, sib – pair, twins, relative role of heredity and environment with reference to stature, weight, head length, head breath, tuberculosis, cancer, dermatoglyphics

UNIT – 1V

Human population genetics: Hardy – Weinberg law, Mutation, Miscegenation in breeding and consanguinity, genetic drift and selection as genesis of change in Gene frequency in human population

UNIT – V

Genetics and population variation: ABO blood groups, sense perception and tasting ability, colour blindness, skin colour, dermatoglyphics.

**Recommended reading:**

- Curt Stern: Principle of Human Genetics
- Simnot. Dunn & Dob/ Hensky: Principles of Genetics
- Frezer – Roberts.J.A.: An Introduction to Medical Genetics
- Penrose LS: Outline of Human Genetics

**PAPER XIV**  
**HUMAN GROWTH AND DEVELOPMENT**

Full Marks: 100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

UNIT – 1

Concepts of growth and development, stages of growth, pre – natal infants, childhood, adolescence, maturity, senescence and gerontology, theories of ageing

UNIT – 11

Factors affecting growth, genetic environmental, hormonal, nutritional and socio – economic

UNIT – 111

Methods of studying human growth, longitudinal cross - sectional mixed longitudinal, growth curves, epiphyseal union and dentition

UNIT – 1V

Human Physique and somatotypes, sheldon, krapchmer, healu and Carter

UNIT – V

Abnormal growth and Monitoring with special reference to gender, age and weaker section

UNIT – V1

Nutritional requirements: Different age groups and sex, proteins, carbohydrates, fats, minerals and vitamins

UNIT – V11

Human adaptation to heat, cold, altitude, nutritional stress and infectious diseases

**Recommended reading:**

- Harrison. G.A etal: A Text of Human Biology
- Nath P.: Physical Anthropology
- Eveleth P.B & J.M. Tamer: World wide Variation in Human Growth
- Tamer J.M.: Focus into Man (Physical Growth From Conception to Maturity)

**PAPER XV**  
**PRACTICAL PHYSICAL ANTHROPOLOGY**

Full Marks:100(70+30)

UNIT – 1

Osteometry, direct osteometric measurements as specified on Scapula, clavicle, Humerus radius & femur.

Estimation of stature from femur and Humerus

Craniometry: a few specific collinear and angular measurement directly and indirectly on skull

Identification of ABO blood group types

Dermatoglyphics study of finger and Palmprints

Laboratory reports and Viva - Voca

**Recommended reading:**

- Oliver. Jorges: Practical Anthropology
- Singh I P & M K Bhasin: Anthropometry
- Straton F & P H Renton: Practical Blood Grouping
- Chatterjee G C : Human Physiology (Vol – 1)
- Cummins H & C Midlo : Finger Prints Palms and Soles: An Introduction to Dermatoglyphics

**PAPER – XVI**

**PROJECT WORK**

Full Marks:100(70+30)

Project work based on library / field work has to be prepared on a topic related to specialization duly approved by the head of the department.

## 4<sup>th</sup> SEMSTER

FOR SPECIALISATION IN ARCHAEOLOGICAL ANTHROPOLOGY (Group E)

### PAPER XIII

## ARCHAEOLOGICAL ANTHROPOLOGY OF EUROPE

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### UNIT – I

Palaeolithic cultures development; Abbevillian – Acheulean cultures in Western Europe. Mousterian cultures, Typo- technology, people and distribution, social organization.

#### UNIT – II

Upper Palaeolithic cultures- Distribution; Perigordian, Châtelperronian, Gravettian, Aurignacian, Solutrean, Magdalenian cultures; Technology and innovations; economy; upper Palaeolithic revolution.

#### UNIT – III

Holocene Europe- Azilian; Tardenoisian; Maglemosian ; Kitchen Midden cultures ; Ertebolle cultures; Climatic changes; Typo- technology, economic activity; from foraging to farming.

#### UNIT – IV

Distribution, Emergence and development of Art: styles- painting, engraving, sculpture; Media- Stones, bones and clay; Motifs and motivations; ecological interpretation; Megalithic cultures of Europe.

#### **Recommended reading:**

- Agrawal, D.P. & M.G. Yadava. 1995. Dating the human past.
- Burkitt, M.C. 1969. Old Stone Age: Study of Palaeolithic Times..
- Roe, Derek 1970. Prehistory: An introduction.
- Sankalia, H.D. 1964. Stone age tools: their techniques, names and probable functions, Pune, Deccan College.
- Sankalia, H.D. 1974. Prehistory and Protohistory of Early India and Pakistan.
- Sakalia, H.D., New Archaeology – Its Scope and Application to India, Ethnographic and Folk Culture Society.

## **PAPER XIV**

### **ENVIRONMENTAL ARCHAEOLOGY**

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### **UNIT – I**

Environmental changes during Quaternary: Coastal phenomena and sea-level fluctuations. Nature of environmental changes- climatic, geomorphic, faunal and floral; Nature of Evidence for reconstruction of Paleoclimate and Paleoenvironment; Geomorphological, Sedimentological, pedological, alaeontoogical, Palaeobotanical.

#### **UNIT – II**

Geological principles: Geological time scale- plio-pleistocene boundary: Palaeoenvironmental survey of India during Pleistocene and Holocene with examples; Palaeoenvironmental indicators and varieties of evidences; geography and zonal concept; geomorphological roles; Methods of study, sample collection; different techniques applied; settlement archaeology, cultural ecology.

#### **UNIT – III**

Geoarchaeology: Environment systems; landscape and stratigraphic context; analysis of micro-macro environments; site formation processes, modification and distribution; Man-land relationship; archaeometry, retrieval of archaeological informations; archaeobotany, archaeozoology and human fossils; taphonomy.

#### **UNIT – IV**

Landscape Archaeology: Components, subsystems and human ecology; socio-ecological models for settlement analysis, subsistence-settlement generalizations for hunter-gatherers; determinants for agricultural settle-ments, reconstruction of settlement systems, settlement patterns; hunter-gatherers and agricultural communities.

**Recommended reading:**

- Agrawal, D.P. & M.G. Yadava. 1995. Dating the human past.
- Burkitt, M.C. 1969. Old Stone Age: Study of Palaeolithic Times..
- Roe, Derek 1970. Prehistory: An introduction.
- Sankalia, H.D. 1964. Stone age tools: their techniques, names and probable functions, Pune, Deccan College.
- Sankalia, H.D. 1974. Prehistory and Proto-history of Early India and Pakistan.
- Agrawal, D.P. The Archaeology of India, Curzon Press.
- Sakalia, H.D., New Archaeology – Its Scope and Application to India, Ethnographic and Folk Culture Society.

## PAPER XV

### PRACTICAL ARCHAEOLOGICAL ANTHROPOLOGY

Full Marks:100(70+30)

In all usually nine questions of equal value will be set, out of which a student shall have to answer five questions. Q.no.1 will be compulsory, consisting of seven very short answer type question (each of two marks) covering the entire syllabus and the candidates are required to give their answer in maximum 50 words.

#### UNIT – I

Typo-Technological study and identification of some representative tools. Drawing and description of the following tools:

- (a) Palaeolithic (Lower, Middle & Upper Palaeolithic) Stone tools at least - 10 tools
- (b) Palaeolithic (Lower, Middle & Upper Palaeolithic) Bone tools at least - 4 tools
- (b) Mesolithic at least - 3 tools
- (c) Neolithic at least - 3 tools

#### UNIT – II

Laboratory study of Prehistoric pottery –

- (a) Study of Pottery technique
- (b) Systematic representation of pottery types with the help of drawings.
- (c) Chronological, cultural & functional classification of pottery as prescribed below –
  1. Neolithic pottery
  2. Chalcolithic pottery
  3. Harappan pottery

#### **Recommended reading:**

- Burkitt, M.C. 1969. Old Stone Age: Study of Palaeolithic Times..
- Sankalia, H.D. 1964. Stone age tools: their techniques, names and probable functions, Pune, Deccan College.

## **PAPER – XVI**

### **PROJECT WORK**

Project work based on library / field work has to be prepared on a topic related to specialization duly approved by the head of the department.