

Elective Paper: AN-E 101: Foundation of Anthropology

Full Marks: 100

Unit 1: Definition of Anthropology; Historical Development; Scope and Main Branches of Anthropology; Physical Anthropology, Social/Cultural Anthropology, Pre-historic Archaeology and Linguistic anthropology.

25 Marks

Unit 2: Relationship of Anthropology with other disciplines: Biology, Palaeontology, Geology, Archaeology, Linguistics, Sociology, History, Economics. Essence of study on preliterate Societies in Anthropology.

25 Marks

Unit 3: Man as biological and social being; Man's Place in Animal Kingdom; Human society vs animal society, Culture (tangible and intangible), and Cultural relativism.

25 Marks

Unit 4: Concept of single species, Homo sapiens; Understanding variations: biological and cultural; physical characteristics resulted from adaptation and culture as means of adaptation to different eco-niches.

25 Marks

Reading list

Practical

1. Beals, R. H. Hoizer, and Beals *An Introduction to Anthropology*, New York, Macmillan Publishing Co. 1975
2. Das, B.M. 1998. *Outlines of Physical Anthropology*. Kitab Mahal, Allahabad
3. Mair, Lucy. *An Introduction to Social Anthropology*. London, Oxford University Press (2nd Edn, Reprint), 1972.
4. Majumdar, D.N. & T.N. Madan *An Introduction to Social Anthropology*, New Delhi, Asia Publishing House, 1975
5. Barnauw, Victor, *An Introduction to Anthropology, Vol. I, Physical Anthropology & Archaeology*. The Dorsey Press, Illinois, 1971.
6. Buttner Janusch, J., *Origins of Man*, wiley eastern Pvt. Ltd., New Delhi, 1969.
7. Comas, Juan, *Manual of Physical Anthropology*, Charles C. Thomas, Illinois, 1960.
8. Montagu, M.F.A., *An Introduction to Physical Anthropology*, Charles C. Thomas, Illinois, 1961.
9. Lasker, G.W., *Physical Anthropology*, Holt, Rinehart & Wiston, New York, 1976

2nd Semester

Elective Paper: AN-E 202: physical Anthropology

Full Marks: 100

Theory (75marks)

Unit 1: A. Definition and scope of Physical Anthropology; its relationship with different branches of Anthropology and other fields: Biology, Demography, Ecology and Forensic sciences. (P-16)

B. Salient characters and classification of the Order Primate, Man as a Primate; Character and Distribution of the anthropoid apes. *From class Manual* 25 Marks

Unit 2: A. Human Skeleton: Classification and anatomical features; Changes due to assumption of erect posture-Skull, Vertebral Column, Pelvic girdle, Femur and Foot. 25 Marks

Unit 3: Theories of Evolution: Theory of special creation, Catastrophism, Organic evolution: Lamarckism, Darwinism, Neo-Lamarckism and Neo-Darwinism.

HOMINOID AND HOMINID FOSSILS

Phylogenetic status and characteristics:

- (1) Ramapithecus (Ramapithecus bevirstris)
- (2) Australopithecines (Australopithecus africanus)
- (3) Homo erectus (Pithecanthropus erectus)

25 Marks

Unit 4: Practical (25 marks)

drawing or photo **A. Identification of Instruments:-** (photograph / xerox) 1. Sliding Caliper, 2. Spreading Caliper (Blunt and Pointed), 3. Anthropometer, 4. Rod Compass, 5. Tubular Craniophore, 6. Cubic Craniophore and 7. Diagraph, 3 Marks

B. Human Osteology: (Drawing and Description of Bones)

1. Skull: Frontal, Parietal, Occipital and Temporal.
2. Girdle bones: Clavicle, Scapula and Pelvic.
3. Limbs Bones: Humerus, Radius and Ulna, Femur, Tibia And Fibula

3 Marks

C. Craniometry: (Direct measurements of 2 skulls)

Linear measurements: 1. Maximum Cranial length, 2. Maximum Cranial Breadth, 3. Least frontal breadth, 4. Frontal chord, 5. Parietal chord, 6. Occipital chord, 7. Nasal height, 8. Nasal breadth, 9. Bizygomatic distance, 11. Bigonial distance, 12. Length of foramen magnum.

Indices: 1. Cranial index, 2. Nasal index

Angular measurements:-

1. Metopic Angle, 2. Nasal Profile Angle

5 Marks

D. Osteometric Measurements (to be measured on a pair of bones for each case)

1. Scapula: (i) Anatomical Breadth (ii) Anatomical Length and (iii) Length of Axillary border
2. Humerus: (i) Maximum Length (ii) Breadth of Proximal Epiphysis (iii) Breadth of Distal Epiphysis (iv) Least girth of Shaft.
3. Femur: (i) Maximum length (ii) Physiological Length (iii) Trochanteric Length (iv) girth in the Middle of the Shaft

4 Marks

E. 1. Laboratory Note book & 2. Viva-voce

5+5=10 Marks

3rd Semester

Elective Paper : AN-E 103: Social Anthropology

Full Marks: 100

Unit 1: Concept and scope of Social and Cultural Anthropology; its relationship with History, Economics, Psychology, Political Sciences, Linguistics and Sociology. 25 Marks

Unit 2: Concept of society, Social groups- primary, secondary and tertiary; Communities- Rural and Urban; Society and Culture. 25 Marks

Unit 3: Kinship: types of kinship- consanguineal and affinal; Kin group- lineage, clan, phratry and moiety; Degree of kinship- primary, secondary and tertiary; Terminology- classificatory and descriptive; Kinship Behaviour- avoidance, joking relationship, and tecknonymy; Usages- Avunculate, Amitate, Couvade. Family: Definition, Types of family, Functions, Residence, and Marriage: Definition, Forms of marriage, Preferential and Prescriptive marriage, Ways of acquiring mates, Hypergamy and Hypogamy. 25 Marks

Unit 4: Polity-state and stateless societies, Forms of government and law.

Economy-Definition, Kula, Potlatch.

Religion: Definition, Characteristics, magic, religion and Science, animism, mannaism, fetishism, and totemism;

Rites and ritual: Rites de passage; Specialist – Shaman, Priest; Divination. 25 Marks

Tech. Practical.

Reading List

1. Beals, R, H. Hoizer, and Beals *An Introduction to Anthropology*. New York, Macmillan Publishing Co. 1975.
2. Roy, Indrani Basu. *Anthropology, The Study of Man*. S.Chand & Company Ltd. Ram nagar, New Delhi-110055
3. Mair, Lucy. *An Introduction to Social Anthropology*. London, Oxford University Press (2nd Edn, Reprint), 1972.
4. Majumdar, D.N. & T.N. Madan *An Introduction to Social Anthropology*, New Delhi, Asia Publishing House, 1975
5. Mclver and Page. *Society*, Macmillan, London, 1957.
6. Davis, Kingsley, *Human Society*, Macmillan, New York, 1949.
7. Hoebel and Frost, *Cultural and Social Anthropology*, Tata MC.Graw Hill, New Delhi, 1976.
8. Herskovits, M. *Cultural Anthropology*, IBM Publications, New Delhi, 1951.

Elective Paper AN-E – 404: Prehistoric Archaeology

Full Marks: 100

Theory (75 Marks)

Unit 1: Nature and Scope of Prehistoric Archaeology and its relationship with other branches of Anthropology, and allied Sciences - Geology, Paleontology, Geography, Physics and Chemistry. Basic concepts: artifact, industry, culture, civilization and revolution (Neolithic and Urban). (GIS) 25 Marks

Unit.2: Geological time scale and appearance of man. Significance of Pleistocene epoch in prehistory, Pleistocene climatic conditions- glacial and pluvials. Causes (Astronomical and Plate-tectonic) and Evidences (Moraines, River Terraces and Sea level changes). Methods of dating, Relative (Stratigraphy and Fluorine test,) and Absolute (C14 dating and Potassium Argon dating). 25 Marks

Unit 3: Tool Typology and Technology:

Distinguishing features between man-made tool and naturally-fragmented alleged tool. Stone Tool typology – Concept and classification, Stone tool types and their Functions. Stone tool techniques (direct, indirect, pressure, grinding & polishing) and their identifying characters. Primary and Secondary flakings. 25 Marks

Unit 4: Prehistory Practical(25Marks)

1. Systematic drawing and description of the following (Lower Palaeolithic) Tools: 10 marks
 - a) Chopper-1, Chopping tool-1
 - b) Handaxes: Pyriform type, cordiform type, ovate type(1 each)
 - c) Cleaver : "V" and "U" shaped.(1 each)
2. Typo-technological and Functional identification of the tools belonging to the Lower Palaeolithic Culture. 5 Marks
3. Laboratory Note Book 5 Marks
4. Viva-voce. 5 Marks

**5th Semester
(Honours)
AN-H 505: Physical Anthropology:**

Full Marks: 100

- Unit 1:** Human Genetics: Definition; History and development (Theories of Inheritance) ^{Man as an} object of Genetical study. Laws of Heredity (Mendel's Principles) 25 Marks
- Unit 2:** Human chromosome complement, Cell Division: Mitotic and Meiosis; Simple single factor inheritance in man, Multiple allelism, Polygenic inheritance 25 Marks
- Unit 3:** Different stages of life, Growth and development, Methods of studying growth (longitudinal, semi-longitudinal, and cross-sectional), Factors affecting growth. 25 Marks
- Unit 4:** Concept of Race, Racial Criteria: Stature, Skin colour, hairs, Eye, head, nose, face ABO & Rh Blood groups, Dermatoglyphics, Major Racial groups of the world and their characteristics, UNESCO Statement on race. 25 Marks

Reading List

1. Carlson E.A. *Human Genetics* TATA Mc Graw-Hill Publishing Company Ltd. New Delhi.
2. Comas, Juan. 1960. *Manual of Physical Anthropology*. Charles C. Thomas, Illinois.
3. Buttner Janusch, J. 1969. *Origins of Man*. Wiley Eastern Pvt. Ltd., New Delhi
4. Das, B.M. 1998. *Outline of Physical Anthropology*. Kitab Mahal, Allahabad.
72-Mahtama Gandhi Road, Calcutta-700009
5. Tanner, *Foetus into Man-Physical growth from conception to Maturity*, Harvard Univ. Press, 1978.
6. Harrison, Weiner, Tanner and Barnicot, *Human Biology*, Oxford Univ. Press, 1988.
7. Montagu, M.F.A. 1961. *An Introduction to Physical Anthropology*. Charles C. Thomas, Illinois.
8. Shukla B.R.K. and Sudha Rastogi. *Physical Anthropology and Human Genetics*.
9. Sarkar, R.M. *Fundamentals of Physical Anthropology*. Vidyalaya Library Private Ltd.
10. Stern, Curt, *Principles of Human Genetics*, Eurasia Publishing House Pvt Ltd., New Delhi, 1963

(no change)

Full Marks: 100

- Unit 1:** Palaeolithic cultures of Europe: Lower (Abbevillian, Acheulian, Clactonian and Lavalloisian), Middle (Mousterian), Upper (Aurignacian, Solutrean and Magdalenean).
Palaeolithic cultures of India: Lower (Sohanian and Madrasian), Middle (Nevasian), Upper (Bhimbetka and Belan Valley) 25 Marks
- Unit 2:** Mesolithic culture of Europe: (Azilian, Tardenoisian, Maglemoisian, Kitchen Midden).
Mesolithic Cultures of India: General Characters with reference to Langhnaj, Bagor, Terisites. 25 Marks
- Unit 3:** Neolithic cultures of Europe and India. General features of Neolithic revolution. Neolithic cultures of Europe (Early and Late); Neolithic Cultures of India: Eastern group, Southern group and Northern group. 25 Marks
- Unit 4:** Metal Age Cultures of India: Indus Valley Civilization- Geographical Extent, Features (Town planning, Social Life, Art and Craft, Religion, Script), Causes of decline. Indian Megalithic Culture: Definition, Typology and General Characters. Iron Age Cultures of India – Iron associated with PGW, BRW and Megaliths. 25 Marks

Reading List

1. Allchin, Bridget and Raymond. *The Birth of Indian Civilization – India and Pakistan before 500 B.C.* Cambridge: Penguin Books. 1993.
2. Allchin, Bridget and Raymond. *The Rise of civilization in India and Pakistan.* New Delhi: Select Book Service. 1984.
3. Banerjee, N.R. *The Iron Age in India.* Delhi: Munshiram Manoharlal. 1965.
4. Chakrabarti, D.K. *India – An Archaeological History.* New Delhi: Oxford University Press. 1999.
5. Childe, V. Gordon. *The Dawn of European Civilization.* London: Routledge & Kegan Paul Ltd. 1957.
6. Clark, Grahame. *World Prehistory,* London, Cambridge University Press, 1961.
7. Fairervis, Jr.; W.A. *The Roots of Ancient India.* New York: Macmillan & Co. 1971.
8. Gamble, C. *The Palaeolithic societies of Europe.* Cambridge: Cambridge University Press. 1999.
9. Jain, K.C. *Prehistory and Protohistory of India.* Delhi: Agam Kala Prakashan. 1972.
10. Peregrine, P.N. *World Prehistory: Two-Million Years of Human Life.* Upper Saddle River: Prentice Hall. 2003.
- ✓ 11. Rami Reddy, V. *Palaeolithic and Mesolithic Cultures.* New Delhi: Mittal Publications. 1987.
- ✓ 12. Rami Reddy, V. *Neolithic and Post-Neolithic Cultures.* New Delhi: Mittal Publications. 1991.
- ✓ 13. Srivastava, K. M. *New Era of Indian Archaeology, Vol I,* New Delhi, Cosmo Publication, 1982.

AN-H 507: PRACTICAL

Full Marks: 100

Group A: Physical Anthropology (60 marks)

1. Somatometry (to be taken on 10 subjects)

1. Stature or height Vertex, 2. Sitting height Vertex, 3. Body weight, 4. Bi-Acromial Diameter, 5. Upper Arm Girth, 6. Calf Girth, 7. Maximum Head Length, 8. Maximum head Breadth, 9. Least Frontal Breadth, 10. Breadth of Bi-zygomatic Arch, 11. Total Facial Height, 12. Upper Facial Height, 13. Horizontal Circumference of head, 14. Nasal Height, 15. Nasal Breadth, 16. Bi-gonial breath.

(II) Indices: 1. Cephalic Index, 2. Total Facial Index, 3. Nasal Index and 4. Body-Mass index

(III) Somatoscopic Observation: 1. Hair: Form and Texture; 2. Skin Colour, 3. Nose: Root, Bridge and Septum, 4. Lip: Form And Eversion, 5. Eye: Fold, Colour and fissure. 10+5=15 Marks

2. Serology (to be studied on 10 subjects) 10

5 Marks

i) Introduction. ii) ABO & Rh(D) blood groups System.

3. Dermatoglyphics (to be Taken on 5 Subjects on both Hands)

i. Introduction. (ii) Finger Pattern types (Henry Classification). Total ridge count, Absolute ridge count, Pattern Intensity index, Dankmeijer's index and Furuhashi's index.

Mainline formula, Mainline index

15 Marks

4. Human Physiology: Measurement of Pulse rate and Blood Pressure on 5 (five Subject).

5 Marks

5. Laboratory note Book : 10 Marks

6. Viva-voce: 10 Marks

Reading list:

1. Nath, S. 2005. *Anthropometry*. The measurement of Body Size, Shape and Form. Friends Publication. New Delhi
2. Sen, Tulika. 1994. *Guide to Anthropometry*. The World Press. Kolkata
3. Singh, I.P. and Bhasin, M.K. 1989. *Anthropometry*. KamalaRaj Enterprises. Delhi
4. Singh, I.P. and Bhasin, M.K. 2004. *A Manual of Biological Anthropology*. KamalaRaj Enterprises. Delhi
5. Singh, S.P. and Pamila Mehta, 2009. *Human Body Measurements; Concept and Application*; PHI Learning Private Ltd. New Delhi
6. Weiner, J.S. and Laurie, J.A. 1969. *Practical Human Biology*. Blackwell Scientific Publications. Oxford.

Group B : Prehistory(40 Marks)

Systematic drawing and description of the following Tools:

1. Palaeolithic Culture (one tool each)

10 Marks

Flake Tools: i) Scrapers – a) Side, b) Round, c) Convex, d) End, e) Concave/Hollow

ii) Points – a) Simple Point, b) Tanged point, c) Laurel and Willow leaf point

iii) Borer – a) simple borer, b) Borer-cum-scraper

Blade Tools: i) Simple blade, ii) Blunted blade.

Bone Tools: (i) Harpoons (one set of six), (ii) Needle, (iii) Points, (iv) Dart Thrower,

(v) Baton-de-Commandment

2. Mesolithic Culture

5 Marks

- (a) **Microliths:** (i) Simple Micro blade, (ii) Retouched micro blade, (iii) Fluted core, (iv) Geometric Microliths (Crescent, Triangle and Trapeze)

3. Neolithic Culture :

5 Marks

- (a) **Celts:** (i) Axe type, (ii) Adze type, (iii) Chisel, (iv) Shouldered Celt, (v) Ring Stone
(b) **Pottery :** (i) Potsherd (hand made), (ii) Potsherd (wheel made)

1. Typo- technological and functional identification of the above tools.

10 Marks

Laboratory Note Book:

5 marks

Viva voce:

5 marks

Reading List

- Birks, T. *Outline guide to pottery*. Poole: Blandford Press. 1975.
Oakley, K. P. *Man the Toolmaker* (sixth edn.) London: Trustees of the British Museum (Natural History). 1972
Rice, P. *Pottery Analysis: A Sourcebook*. Chicago: University of Chicago Press, 1987
Rye, Owen S. *Pottery Technology: Principles and Reconstruction*. Washington: Taraxacum. 1981.
Sankalia, H.D. *Stone Age Tools: Their Techniques, Names and probable functions*. Poona: Deccan College. 1964.
Semenov, S.A. *Prehistoric Technology - an experimental study of the oldest tools and artifacts from traces of manufacture and wear*. London: Moonraker Press. 1974.

AN-H 608: Advanced Social and Cultural Anthropology

Full Marks: 100

Unit 1: Social change: Meaning, factors of social change, theories of social change
Assimilation, Acculturation, Enculturation/ Socialization and Culture lag. 25 Marks

Unit 2: Theories of Social and Cultural Anthropology
Evolutionism, Neo-evolutionism, Diffusionism (British, Germany, American) 25 Marks

Unit 3: Ethnographic accounts of the following ethnic groups

- a) The Nuer (Political Organization)
- b) The Purum (Kinship organization)
- c) The Onge (Economy)
- d) The Chin (Religion)
- e) The Khasis (Inheritance)

25 Marks

Unit 4: Indian Anthropology

Profile of Indian tribes (race, linguistic and socio-economic). Land alienation, Shifting cultivation, constitutional safeguards.

Civilization studies, Sanskritization, parochialization and universalization, sacred complex
Great and little tradition, caste- tribe continuum, Globalization
Caste system. 25 Marks

Reading List

1. Bose, N.K. *Tribal Life in India*
2. Bottomore, TB. *Sociology*, Clarendon Press, London.
3. Das, TC. *The Purum*, Culcutta University Press, Calcutta, 1945.
4. Davis, Kingsley. *Human Society*, Macmillan, New York, 1949.
5. Evans-Pritchard, EE. *The Nuer*, Oxford University Press, London, 1940.
6. Gurdon, PRT, *The Khasis*, London, 1907
7. Herskovits, M. *Cultural Anthropology*, IBM Publications, New Delhi, 1951.
8. Iyyar, RK. *Globalization Poverty and Culture*, Mahaveer & sons, New Delhi, 2008.
9. Leber, FM, G.C. Hickey, JH Musgrave, *Ethnic Groups of mainland Southeast Asia*, Human Relation Area File, New Haven, 1964.
10. Majumdar, D.N. & T.N. Madan *An Introduction to Social Anthropology*, New Delhi, Asia Publishing House, 1975
11. Mathur, LP. *History of Andaman & Nicobar island*, Sterling Publishers (P) Ltd., Delhi, 1968
12. Mclver and Page, *Society*, Macmillan, London, 1957.
13. Sahay, VJ & PK Singh, *Indian Anthropology*, KK Publications, Allahabad, 1998.
14. Srinivas, MN. *Caste in Modern India & Other Essays*, Asia Publishing House, Bombay, 1966.

AN-H 609: Research Methodology and Applied Anthropology

Full Marks: 100

- Unit 1:** Field work tradition in Anthropology, Pilot survey, Participant Observation, Schedule and Questionnaire, Case Study, Interview and Genealogical Method of Data Collection. 25 Marks
- Unit 2:** Statistics- Universe and Sample; Random- and Non-random Sampling; Raw and Array data; Variables (Quantitative and qualitative, Discrete and Continuous); Frequency distribution, Measures of Central Tendency (arithmetic mean, median, mode), Measures of Dispersion (range, standard deviation, standard error), Graphic Presentation (histogram, polygon and pie chart). 25 Marks
- Unit 3:** Report Writing- Steps of Report writing: Introduction, Methodology, Analysis, Discussion, Summary and Conclusion, Footnotes, Reference, Bibliography, and Appendix. 25 Marks
- Unit 4:** Applied, Action and Development Anthropology- Concept and Scopes. 25 Marks

Reading Lists:

1. Andersson, J. B. H. Dursion, & M. Poole, *Thesis and Assignment Writing*, Wiley Eastern Limited, New Delhi, 1970.
2. Goode and Hatt, *Methods in Social Research*, Mc Graw-Hill Book Co., London.
3. Kothari, C. R. *Research Methodology: Methods and Techniques*, Wishwa Prakashan, New Delhi.
4. Pelto and Pelto, J. *Anthropological Research Structure of Inquiry*.
5. Royal Anthropological Institute, *Notes and Queries on Anthropology*, Routledge & Kegan Paul, London.
6. Scupin, R & C. R. Decorse. *Anthropology A Global Perspective*, Printice-Hall Of India PVT Ltd, New Delhi, 2005.
7. Vidyarthi, L. P. *Applied Anthropology in India*, Kitab Mahal, Allabad, 1990.
8. Young, P. V. *Scientific Social Survey and Research*, Printice Hall International, New Delhi.

SYLLABUS FOR BA/B.SC SEMESTER COURSE IN ANTHROPOLOGY

Structure of Elective Course.

- 1st semester AN-E 101: Fundamental of Anthropology.
2nd semester AN-E 202: Physical Anthropology.
3rd semester AN-E 303: Social and Cultural Anthropology.
4th semester AN-E 404: Prehistoric Archaeology.

Each paper shall have four units carrying 25 marks each. The 4th unit of each paper of 2nd and 4th semester shall be practical which will carry 25 marks.

Honours Course

- 5th semester AN-H 505: Physical Anthropology.

AN-H 506: Prehistory.

AN-H 507: Laboratory Practical in Physical Anthropology and Prehistory

- 6th semester AN-H 608: Social and Cultural Anthropology,

AN-H 609: Research Methodolgy and Applied Anthropology

AN-H 610: Practical (a) Technology and Museology

(b) Field report.

Theory paper of 5th and 6th semesters shall consist of four units having 25 marks each.