

THE UNIVERSITY OF BURDWAN



**Curriculum for 3-Year B. Sc. (General)
in
ANTHROPOLOGY**

**Under Choice Based Credit System (CBCS)
w.e.f 2017-2018**

OUTLINE OF CHOICE BASED CREDIT SYSTEM

| COURSE TITLE | COURSE TYPE | L-T-P | CREDIT |
|-----------------------------------------------------------------------------|-------------------------------------------------|-------|-----------|
| SEMESTER-I | | | |
| CC-1A: Foundation of Anthropology | Core Course | 4-0-2 | 6 |
| CC-1 | Any two disciplines other than Anthropology | | 6 |
| CC-1 | | | 6 |
| AECC-1:Environmental Studies | Ability Enhancement Compulsory Course (AECC-1) | | 4 |
| Total credit | | | 22 |
| SEMESTER-II | | | |
| CC-1B: Biological Anthropology | Core Course | 4-0-2 | 6 |
| CC-2 | Any two discipline other than Anthropology | | 6 |
| CC-2 | | | 6 |
| AECC-2: Communicative English / MIL | Ability Enhancement Compulsory Course (AECC-2) | | 2 |
| Total credits | | | 20 |
| SEMESTER-III | | | |
| CC-1C:Archaeological Anthropology | Core Course | 4-0-2 | 6 |
| CC-3 | Any two discipline other than Anthropology | | 6 |
| CC-3 | | | 6 |
| SEC-1: Public Health and Epidemiology Or Forensic Anthropology | Skill Enhancement Elective ((SEC-1) | 2-0-0 | 2 |
| Total credits | | | 20 |

| COURSE TITLE | COURSE TYPE | L-T-P | CREDIT |
|-----------------------------------------------------------------------------------|--------------------------------------------|--------------|---------------|
| SEMESTER-IV | | | |
| CC-1D : Social-Cultural Anthropology | Core Course | 4-0-2 | 6 |
| CC-4 | Any two discipline other than Anthropology | | 6 |
| CC-4 | | | 6 |
| SEC-2: Media Anthropology Or Tourism Anthropology | Skill Enhancement course (SEC-2) | 2-0-0 | 2 |
| Total credits | | | 20 |
| SEMESTER-V | | | |
| DSE-1A: Human Genetics Or Indian Archaeology | Discipline Specific Elective Course | 4-0-2 | 6 |
| DSE-2A | Any two discipline other than Anthropology | | 6 |
| DSE-3A | | | 6 |
| SEC-3: Fashion Anthropology Or Visual Anthropology | Skill Enhancement Course (SEC-3) | 2-0-0 | 2 |
| Total credits | | | 20 |
| SEMESTER-VI | | | |
| DSE-1B: Paleoanthropology Or Tribal Culture of India | Discipline Specific Elective Course | 4-0-2 | 6 |
| DSE-2B | Any two discipline other than Anthropology | | 6 |
| DSE-3B | | | 6 |
| SEC-4: Ethnographic Research Methodology Or Demographic Anthropology | Skill Enhancement course (SEC-4) | 2-0-0 | 2 |
| Total credits | | | 20 |
| ALL TOTAL CREDITS | | | 122 |

CORE COURSES

| Core courses | Course title | | Credit | Marks |
|--------------|------------------------------|------------------|--------|-------|
| CC-1 | Foundation of Anthropology | Th-4CR Pr-2CR | 6 | 75 |
| CC-2 | Biological Anthropology | Th-4CR Pr-2CR | 6 | 75 |
| CC-3 | Archaeological Anthropology | Th-4CR Pr-2CR | 6 | 75 |
| CC-4 | Social-Cultural Anthropology | Th-4CR Pr-2CR | 6 | 75 |

DISCIPLINE SPECIFIC ELECTIVE COURSES

| Discipline Specific Elective | Course title | | Credit | Marks |
|------------------------------|--------------------------|------------------|--------|-------|
| DSE-1A | Indian Archaeology | Th-4CR Pr-2CR | 6 | 75 |
| | Or | | | |
| | Human Genetics | Th-4CR Pr-2CR | 6 | 75 |
| DSE-1B | Paleoanthropology | Th-4CR Pr-2CR | 6 | 75 |
| | Or | | | |
| | Tribal Cultures of India | Th-4CR Pr-2CR | 6 | 75 |

***DSE- 1A IN SEMESTER V**

***DSE-1 B IN SEMESTER VI**

SKILL ENHANCEMENT COURSES

| Skill Enhancement Courses | Course Title | credit | Marks |
|----------------------------------|---------------------------------------------------|---------------|--------------|
| SEC-1 | Public Health and Epidemiology OR | 2 | 50 |
| | Forensic Anthropology | 2 | 50 |
| SEC-2 | Media Anthropology OR | 2 | 50 |
| | Tourism Anthropology | 2 | 50 |
| SEC-3 | Visual Anthropology OR | 2 | 50 |
| | Fashion Anthropology | 2 | 50 |
| SEC-4 | Ethnographic Research Methodology OR | 2 | 50 |
| | Demographic Anthropology | 2 | 50 |

***SEC -1 IN SEMESTER III**

***SEC -2 IN SEMESTER IV**

***SEC -3 IN SEMESTER V**

***SEC -4 IN SEMESTER VI**

ABILITY ENHANCEMENT COURSES

| Skill Enhancement Courses | Course Title | credit | Marks |
|----------------------------------|-------------------------------|---------------|--------------|
| AECC-1 | Environmental Studies | 4 | 100 |
| AECC-2 | Communicative English/ MIL | 2 | 50 |

***SEMESTER-I – AECC 1**

***SEMESTER-II – AECC2**

CORE COURSES

Credits: Any four papers = Theory +Practical = (4+2) X 4 = 24

CC-1A : FOUNDATION OF ANTHROPOLOGY

6 CREDIT

THEORY CREDIT: 4

60L

Unit-I: Anthropology- Definition, Objective, Aim & Scope; Major Branches of Anthropology—Biological, Social-Cultural, Archaeological; Relation of Anthropology with other disciplines (e.g. Life-sciences, Science, Medical, ergonomics, Arts (Humanities) 10L

Unit–II: Biological Anthropology—Concept, Aim, Scope, Sub-Branches, Development of Biological anthropology 10L

Unit–III: Social–Cultural Anthropology- Concept, Aim & Scope, Sub-branches, Development of Social–Cultural Anthropology, Relation with other Social Sciences, Social-Cultural Anthropology—British and American School 10L

Unit-IV: Archaeological Anthropology—Definition, Aim and Scope; Relation between Archaeological Anthropology and Palaeoanthropology, Prehistory and Protohistory 10L

Unit- V: Uniqueness of Anthropology—Holism, Comparative Method, and Fieldwork 10L

Unit –VI: Development of Anthropology (in brief), Applied and Action Anthropology 10L

PRACTICAL -CREDIT: 2

20P

Identification of human bones- Skull bones (Frontal, Parietal, Occipital, Temporal, Maxilla, Sphenoid, Zygoma, and Mandible); Long bones with side determination (Humerus, Radius, Ulna, Femur, Tibia, Fibula), Scapula, Clavicle, Hip Bone. 15 marks

Laboratory Note Book and Viva voice 10 marks

Suggested Readings

1. Jurmain R., Kilgore L., Trevathan W., Ciochon R.L. (2012). Introduction to Physical Anthropology. Wadsworth Publ., USA
2. Kroeber A. L. (1948). Anthropology. Oxford & IBH Publishing Co., New Delhi.
3. Stanford C., Allen J.S. and Anton S.C. (2010). Exploring Biological Anthropology. The Essentials. Prentice Hall Publ, USA.
4. Statement on Race: Annotated Elaboration and Exposition of the Four Statements on Race (1972). Issued by UNESCO. Oxford University Press.

CC-1B : BIOLOGICAL ANTHROPOLOGY

6 CREDIT

THEORY CREDIT: 4

60L

Unit-I: Cell - Definition, Type, Structure & Functions, Mitosis, Meiosis, Oogenesis, Spermatogenesis 5L

Unit-II: Theories of Human Evolution- Lamarckism, Darwinism, Synthetic Theory 5L

Unit-III: External morphological features of Man; Evolutionary changes in Human Skeleton and Human Morphology- Bipedalism and Erect Posture, Brain Development, Development

of Grip 6L

Unit-IV: The Biological Basis of Inheritance- Human Chromosome (Structure and Shape), Human Karyotype - Denver's system, Numerical Chromosomal Aberrations/Abnormalities (Causes and manifestation): Down's syndrome, Turner's syndrome, Klinefelter's Syndrome 10L

Unit-V: Mendelian principles its explanation and application in man; Mendelian Inheritance in Man- autosomal dominant, autosomal recessive, sex chromosomal inheritance, X-linked dominant, X-linked recessive, Polymorphic character in man 10L

Unit- VI: Definition (Mivert) and general characteristic features of order Primates; Classification of the order Primates –Simpson (1945) and modified by Simons (1971) with features and examples up to family; Platyrrhine and Catarrhine monkeys- distribution, characteristics and differences 10L

Unit-VII: Anthropoid apes: Features, classification, distribution; skeletal comparison of anthropoid apes with that of man 7L

Unit –VIII: Earlier hominid-A. afarensis and A.africanus; H.habilis, H. erectus (Java and Peking variety); Neanderthal (Lachapelle-aux-saint and Tabun); Modern Homo sapiens- Cro-Magnon; Hominization process 7L

PRACTICAL CREDIT: 2 20P

I.CRANIOMETRY: i) Maximum cranial length, ii) Maximum cranial breadth, iii) Least Frontal breadth, iv) Maximum bizygomatic breadth, v) Nasal length, vi) Nasal breadth, vii) Superior Facial Length

II. SOMATOMETRY (on three subjects)

A.10 Measurement on head and face (Cephalometry)-

i) Maximum head length, ii) Maximum head breadth, iii) Least frontal breadth, iv) Bizygomatic breadth, v) Bi-gonial breadth, vi) Nasal length, vii) Nasal breadth, viii) Nasal depth, ix) Morphological superior facial length, x) Morphological total facial length

B. Measurements on trunk and limbs-

i) Height vertex, ii) Height tragus, iii) Height acromion, iv) Sitting height Vertex, viii) Bi-acromial diameter, ix) Hand length, x) Hand breadth, xi) Foot length, xii) Foot breadth, xiii) Body weight

III. INDICES

i) Cephalic index, ii) Nasal index, iii) Facial index, iv) Jugo-frontal index, v) Body mass index (BMI)

IV. GENETIC TESTS (On three subjects)

i) PTC Test Testing or Test for colour blindness

Laboratory notebook and Viva Voice

5 marks

Suggested Readings

1. Brooker R.J. (2012). Genetics: analysis & principles. The McGraw-Hill Companies, Inc 4th ed.
2. Cavalli-Sforza, L.L. and Bodmer, W.F (1971). The Genetics of Human Population. San Francisco: Freeman
3. Cooper DN and Kehrer-Sawatzki H. (2008). Handbook of Human Molecular Evolution. John Wiley & Sons, vol.-2.
4. Crawford MH (2007). *Anthropological Genetics Theory, Methods and Applications*. Cambridge University Press
5. Cummings M.R. (2011). Human Heredity: Principles and Issues. Ninth Edition. Brooks/Cole, Cengage Learning
6. Jobling, M.A. Hurlis M. and Tyler-Smith C. (2004). *Human Evolutionary Genetics: Origins, Peoples & Disease*. GS. NY
7. Lewis R. (2009). *Human Genetics: Concepts and Applications* 9th Edition. The McGraw–Hill Companies, Inc.
8. Patch C. (2005). *Applied Genetics in Healthcare*. Taylor & Francis Group
9. Relethford J.H. (2012). *Human Population Genetics*. Wiley-Blackwell, USA
10. Snustad .D.P. and Simmons M.J. (2006). *Principles of Genetics*, Fourth Edition, John Wiley & Sons USA, Hoboken NJ
11. Strachan T, Read A.P. (2004). *Human Molecular Genetics*. Garland Science/Taylor & Francis Group.
12. Vogel F. and Motulsky A.G. (1996). *Human Genetics*. Springer, 3rd revised edition.
13. Buettner-Janusch, J. (1966). *Origins of Man: Physical Anthropology*. John Wiley & Sons, Inc., New York, London, Sydney.
- 14.. Howell F.C. (1977). *Horizons of Anthropology*. Eds. S. Tax and L.G. Freeman, Aldine Publishing House, Chicago.
15. Nystrom P. and Ashmore P. (2011). *The Life of Primates*. PHI Learning Private Limited, New Delhi.
16. Seth P. K. and Seth S. (1986). *The Primates*. Northern Book Centre, New Delhi, Allahabad.
17. Sen, T. 1994. *A Guide to Anthropometry*. Delhi: Friends Publications.
18. Singh I. P. and Bhasin M.K. (1989). *Anthropometry: A Laboratory Manual on Biological Anthropology*. Kamla-Raj Enterprises, Chawri Bazar, Delhi.
19. Standford C.; Allen J.S. and Anton S.C. (2012). *Biological Anthropology: The Natural History of Mankind*. PHI Learning Private Limited, New Delhi.
20. Swindler D. R. (2009). *Introduction to the Primates*. Overseas Press India Pvt. Ltd., New Delhi.
21. Dipak Mukherjee, Deviprasad Mukherjee and Premananda Bharati. 2009. *Laboratory Manual For Biological Anthropology*. Asian Books Pvt. Ltd.

CC-1C : ARCHAEOLOGICAL ANTHROPOLOGY

6 CREDIT

THEORY CREDIT: 4

60L

Unit I: Concept and scope of Archaeological Anthropology, Relation with other disciplines, Methods of studying Archaeological Anthropology 5L

Unit II: Geological time scale, geochronology of Quarternary period: Pleistocene and Holocene, Villafranchian, Glacial and Interglacial, Pluvial and Inter-Pluvial, Different types of geo-climatic events, Importance of studying Pleistocene in Archeology. 10L

Unit III: Reconstructing the Past - dating method: Absolute dating (C14, K-AR, Dendrochronology, TL) and Relative dating (Stratigraphy, River Terrace). 10L

Unit IV: Understanding Culture: Concept of Culture in Prehistory—Three Age System, artifacts and tool (core tool, flake tool and flaking); Typology (structure, function and technique of tool manufacture) and cultural nomenclature. 15L

Unit V: Lithic culture in India – (i) Lower Palaeolithic, (ii) Middle Palaeolithic, (iii) Upper Palaeolithic, (iv) Mesolithic culture and, (v) Neolithic culture 20L

PRACTICAL CREDIT: 2

20P

Typo-technological Analysis of Prehistoric Tools – Drawing, Identification and Interpretation of the following tool Types

1. Core Tool
2. Flake Tool
3. Blade Tool
4. Microliths
5. Neolithic Tool

Suggested Readings

1. Allchin and Allchin (1993). *The Rise of Civilization of India and Pakistan*. Cambridge University Press
2. Bhattacharya D.K. (1978). *Emergence of Culture in Europe*, Delhi, B.R. Publication.
3. Bhattacharya D.K. (1979). *Old Stone Age Tools and Techniques*. Calcutta, K.P. Bagchi Company
4. Bhattacharya D.K. (1996). *Palaeolithic Europe*. Netherlands, Humanities Press.
5. Champion et al. (1984). *Prehistoric Europe*. New York, Academic Press.
6. Fagan B.M. (1983). *People of Earth: An Introduction*. Boston, Little, Brown & Company.
7. Okley KP.1967. Man The tool Maker. Trustees of the British Museum.
8. Phillipson D. W. (2005). *African Archaeology*. Cambridge, Cambridge University Press.
9. Sankalia H.D. (1964). *Stone Age Tools*. Poona Deccan College.
10. Sankalia H.D. (1974). *Prehistory and Protohistory of India and Pakistan*. Poona, Deccan College
11. Sankalia H.D. (1982). *Stone Tool Type and Technology*. Delhi, B.R.Publication

CC- 1D : SOCIAL-CULTURAL ANTHROPOLOGY

6 CREDITD

THEORY CREDIT: 4

60L

Unit I: Basic concept, scope and relevance of Social Anthropology; Relationship of Social Anthropology with other disciplines 3L

Unit II: Concepts of Society; Status and Role; Community, Group, Association; Social System - Social Structure and Organization, Social Stratification, Social Control. 5L

Unit-III: Culture: concept, features and function; Aspects of culture: Culture universal, cultural integration, enculturation, process of culture change: diffusion and acculturation. 5L

Unit IV: Unit of Social Structure and Organization: Family (types, basic structure, functions, factors associated with the changes in joint family); Marriage (forms and functions; rule of marriage- Hypergamy, Hypogamy, Endogamy and Exogamy; Ways of acquiring mates Prescribed; Proscribed; Preferential marriage and Incest); Kinship (Concept, Kinship Typology, Kinship Terminological system). 20L

Unit- V: Religion (concept, function, theories), Magic (concept, types, function, practitioners), Economic anthropology (concept, function, production-subsistence strategies, distribution), Political anthropology (concept, function, types of political organization) 7L

Unit-VI: Essential theories: Evolutionism - Unilinear evolution, neo evolution and Multi-linear evolution; Diffusionism: British, German and American schools - cultural relativism and Historical Particularism (emergence of fieldwork tradition in Anthropology); Culture and Personality approaches; Functionalism; Structural – functionalism, structuralism 10L

Unit-VII: Ethnography and fieldwork; survey; qualitative and quantitative methods; comparative and historical Methods; Research methodology: Review of literature, conceptual framework, formulation of research problem/hypothesis, selection of area, sampling, rapport establishment, data collection, field note, data analysis and report writing; Ethical issues in social research; Tools and techniques of data collection: questionnaire and interview schedule, Observation, Interview, Focused Group Discussion, key informant, Case Study, Genealogy. 10L

PRACTICAL CREDIT: 2 (Any One) 20P

1. Make a brief field report/account on any relevant social-cultural dimension/problem/issue grounded on basic research methodology.
2. Construction of genealogy and documentation of rites-de-passage of any local ethnic group.

Suggested Readings

1. Beattie J. (1964). *Other Cultures*. London: Cohen & West Limited.
2. Bernard H.R. (1940). *Research Methods in Cultural Anthropology*. Newbury Park: Sage Publications.
3. Davis K. (1981). *Human Society*. New Delhi: Surjeet Publications.
4. Delaney C. (2004). 'Orientation and disorientation' In *Investigating Culture: An Experiential Introduction to Anthropology*. Wiley-Blackwell.
5. Ember C. R. et al. (2011). *Anthropology*. New Delhi: Dorling Kindersley.
6. Ferraro G. and Andreatta S. (2008). In *Cultural Anthropology: An Applied Perspective*. Belmont: Wadsworth.
7. Karen O'reilly. (2012). 'Practical Issues in Interviewing' *Ethnographic Methods*. Abingdon: Routledge
8. Lang G. (1956). 'Concept of Status and Role in Anthropology: Their Definitions and Use. *The American Catholic Sociological Review*.17(3): 206-218
9. O'reilly K. (2012). *Ethnographic Methods*. Abingdon: Routledge.
10. Parsons T. (1968). *The Structure of Social Action*. New York: Free Press
11. Rapport N. and Overing J. (2004). *Key Concepts in Social and Cultural Anthropology*. London: Routledge.
12. Royal Anthropological Institute of Great Britain and Ireland (1971). 'Methods' In *Notes and Queries on Anthropology*. London: Routledge & Kegan Paul Ltd.
13. Scupin, R. 2011. *Cultural Anthropology: A Global Perspective*. Delhi: Pearson.
14. Miller, Barbara. *Cultural Anthropology*. 6th ed. 2011. PHI Learning Private Limited: New Delhi.

15. Fox, Robin. 1983. *Kinship and Marriage: An Anthropological Perspective*. Cambridge University Press.
16. Nanda, Serena. 2006. *Cultural Anthropology*. USA: Cengage Learning.
17. Haviland et. al. 2008. *Anthropology*. Australia: Wordsworth.
18. Barnard A. (2000). *History and Theory in Anthropology*. Cambridge: Cambridge University.
19. Marvin Harris.(1968). *Rise of Anthropological Theories: A History of theories of Culture*. Routledge and Kegan Paul.
20. Pandey and Upadhaya. (2002). *History of Anthropological Thoughts*. New Delhi: Concept Publishing Company.
21. Beals, R and Hoijer, H (1979) *An Introduction to Anthropology*
22. Jha, M (1983) *An Introduction to Anthropological thought* New Delhi
23. Kottak, C.P. (1996) *Cultural Anthropology*
24. Upadhyay, V.S. and G. Pandey (1993): *History of Anthropological thought*

DISCIPLINE SPECIFIC ELECTIVE COURSES

Credits: Any four papers = Theory +Practical = (4+2)X4 = 24

DSE-1A: Human Genetics

6 CREDIT

THEORY CREDIT: 4

60L

Unit I: Structure, Function and Inheritance of the human genome- gene, DNA structure and replication, DNA repair and recombination, gene expression, coding and non-coding region

10L

Unit II: Expression of genetic information: from Transcription to Translation – the relationship between genes and protein, transcription and RNA processing, encoding genetic information, decoding the codons: the role of transfer RNAs

15L

Unit III: Genomic Variation: Genomic Polymorphisms (SNPs, VNTR); haplotypes and haplogroups; genotype-phenotype correlations.

10L

Unit IV: Methods of Genetic Study in Human: Twin and co-twin method; Pedigree and Family method (May be included); Chromosomal aberrations/ abnormalities (Down's syndrome, Turner's syndrome, Klinefelter's syndrome) concept of non-mendelian inheritance and complex diseases.

15L

Unit V: Genomic Diversity & Human Evolution

People of the Indian Subcontinent: Evidence from mtDNA and Y-chromosome; evolutionary genetics; Molecular evolution; DNA sequence variation and human origins

10L

PRACTICAL CREDIT: 2

20P

1. DNA Extraction from tissue

2. DNA Quantification, Aliquoting and sample preparation

Suggested Readings:

1. Strachan T and Read AP. (2004). *Human Molecular Genetics*. Garland Science
2. Brown TA. (2007). *Genomes*. Garland Science.
3. Griffiths AJF. (2002). *Modern Genetic Analysis: Integrating Genes and Genomes*. WH Freeman Press.

4. Griffiths AJF, Wessler SR, Carroll SB, Doebley J. (2011). An Introduction to Genetic Analysis. Macmillan Higher Education.
5. Cavalli-sforza LL, Menozzi P, Piazza A (1994). History and Geography of Human Genes. Princeton University.
6. Giblett, ER. (1969). Genetic Markers in Human Blood. Blackwell Scietific, Oxford.
7. Cummings MR (2011). Human Heredity: Principles and Issues. Brooks/Cole, Cengage Learning
8. Jobling M, Hurls M and Tyler-Smith C. (2004). Human Evolutionary Genetics: Origins, Peoples & Disease. New York: Garland Science.
9. Lewis R. (2009). Human Genetics: Concepts and Application. The McGraw–Hill Companies, Inc.
10. Patch C. (2005). Applied Genetics in Healthcare. Taylor & Francis Group
11. Vogel F. and Motulsky A.G. (1996). Human Genetics. Springer, 3rd revised edition.
12. Snustad .D.P. and Simmons M.J. (2006). Principles of Genetics, Fourth Edition, John Wiley & Sons USA.

OR

DSE-1 A: Indian Archaeology

6 CREDIT

THEORY CREDIT: 4

60L

Unit I: Understanding culture-

15L

- a. Technique of tool manufacture and estimation of their relative efficiency
- b. Classification of tools: primary and combination fabrication techniques
- c. Typology and cultural nomenclature.

Unit II: Methods of climatic reconstruction: palynology, paleontology

10L

Unit III: Prehistoric India: Pleistocene chronology of India: A critical assessment

15L

Unit IV: Character, distribution and interpretation of habitat and economy of -

20L

- i. Lower Palaeolithic India
- ii. Middle Palaeolithic India
- iii. Upper Palaeolithic India
- iv. Mesolithic culture India
- v. Neolithic culture India

PRACTICAL ` CREDIT: 2

20P

1. Identification of tools (drawing, structure and function of tools):

(a) Handaxe, (b) Chopper/Chopping tools, (c) Cleaver, (d) Side scraper, (e) Knives, (f) End scrapers, (g) Willow/Laurel Leaf point (h) Microlithic tools, (i) Bone tools (j) Celt

2. Tool-making techniques

Suggested reading:

1. D. K. Bhattacharya (1996) An Outline of Indian Prehistory. Delhi, Palika Prakashan.
2. H. D. Sankalia (1974) Prehistory and Protohistory of India and Pakistan. Poona, Deccan College.
3. H. D. Sankalia (1982) Stone Tool Type and Technology. Delhi, B.R.Publication

DSE-1B: Paleoanthropology**6 CREDIT****THEORY CREDIT: 4****60L**

Unit I: Dating methods, geological time scale, taphonomy and interpretation of the paleontological and archaeological records, taxonomic and chronological problems of fossils records. 15L

Unit II: Primate, speciation and extinctions: a geological perspective, adaptive primate radiation, differential rate of somatic evolution. 15L

Unit III: Evolutionary biology: Origins and evolution of stone age technology and its impact on hominization, Human origins: Development, distribution and fossilized evidence of Australopithecines, Paranthropus (Zinjanthropus), Homo habilis, Homo erectus, Archaic H. sapiens, prehistoric hunter-gatherers, modern pastoral communities, emergence of prehistoric people in Africa. 20L

Unit IV: Primate and Non-Primate Models for Early Hominid Behaviour; hominization process- Evolution of hominid, human bipedalism 10L

PRACTICAL ` CREDIT: 2**20P**

1. Description and identification of the disarticulated skeleton of non-human primates (Photographs may utilize)
2. Identification and description of fossil casts (Photographs may utilize).

Suggested readings

1. Napier JR and Napier PH. (1985). The Natural History of the Primates. Cambridge, MA: The MIT Press
2. Boyd R and Silk JB. (2009). How Humans Evolved. London: WW Norton.
3. Tattersall I. (2009). The Fossil Trail: How We Know What We Think We Know about Human Evolution. New York: Oxford University Press.
4. Waldron T. (2008): Palaeopathology. Cambridge University Press.
5. Cela-conde CJ and Frisancho J. (2007). Human Evolution: Trails from the past. Ayala Oxford University Press.
6. Barnes E. Diseases and Human Evolution. (2005). University of New Mexico Press.
7. Pinhasi R and Mays S (2008). Advances in Human Palaeopathology. Chichester: John Wiley & Sons, Inc. (PM).
8. Hoppa RD and Vaupel JW. (2002). Paleodemography: Age Distributions from Skeletal Samples. Cambridge University Press.
9. Lansen CS, Matter RM and Gebo DL. (1998). Human Origin: The fossil Record. Waveland Press.
10. Cameron DW and Colin P. Groves CP. (2004). Bone, Stones and Molecules: "Out of Africa" and Human Origins. Elsevier Inc.
11. Stringer C. (2011). The Origin of Our Species. London: Allen Lane.

OR**DSE-1B: Tribal Cultures of India****6 CREDIT****THEORY CREDIT: 4****60L**

Unit I: Concept of tribes, General and specific characteristics of tribes, Scheduled tribes. Primitive Tribal Group (PTG) and Particularly Vulnerable Tribal Group (PVTG), Denotified tribes 10L

Unit II: Distribution of Tribes in India: Geographic, Economic and Linguistic distribution 10L

Unit III: Tribe-caste continuum; Gender and Tribe; Problems of tribes in India: land and forests alienation, indebtedness, lack of educational facilities, shifting-cultivation, Migration and occupational shift, tribal unemployment, health and nutrition; Developmental projects-tribal displacements and rehabilitation problem 20L

Unit IV: Tribal movement in terms of identity (Santal, Munda, Naga), language (Santal) 10L

Unit V: Constitutional safe guards/ provisions, Forest policies (pre and post independence), Grant-in-Aids, and role of NGOs and Voluntary organisations 10L

PRACTICAL ` CREDIT: 2

20P

1. Point out the Geographic, Economic and Linguistic distribution of Indian Tribes and distribution of PVTGs, STs on map
2. Write the social structure of any one tribe of India from secondary sources

Suggested Readings:

1. Behera, D.K and Georg pfeffer. Contemporary Society Tribal Studies, Volume I to VII. New Delhi: Concept Publishing Company
2. Georg Pfeffer. Hunters, Tribes and Peasant: Cultural Crisis and Comparison. Bhubaneswar: Niswas.
3. Vidarthy, L.P. and Rai. Applied Anthropology in India.
4. Vidarrthy.L.P. and B.N. Sahay . Applied Anthropology and Development in India. New Delhi: National Publishing House.
5. Hasnain, Nadeem. Tribal India. New delhi. Palaka prakashan

SKILL ENHANCEMENT ELECTIVE (SKILL BASED) COURSE

Credits: Any two papers = (Theory + practical) = 2X2= 4

SEC-1: Public health and epidemiology

2CREDIT

25L

Unit I: Principles of Epidemiology in Public Health: Overview of epidemiology methods used in research studies to address disease patterns in community and clinic-based populations, distribution and determinants of health-related states or events in specific populations, and strategies to control health problems. 7L

Unit II: Statistical Methods for Health Science: Analysis and interpretation of data including data cleaning, data file construction and management; implementation of analytic strategies appropriate for the type of data, study design and research hypothesis; parametric and nonparametric methods, measures of association, Linear and Logistic regression, Generalized Linear Modelling, and Survival analysis 7L

Unit III: Environmental Health: Effects of biological, chemical, and physical agents in environment on health (water, air, food and land resources); ecological model of population health; current legal framework, policies, and practices associated with environmental health and intended to improve public health 5L

Unit IV: Psychological, Behavioural, and Social Issues in Public Health; Cultural, social, behavioural, psychological and economic factors that influence health and illness; behavioural science theory and methods to understanding and resolving public health problems; assess knowledge, attitudes, behaviours towards disease and patient compliance to treatment. 6L

Suggested reading

1. Gordis L. (2004). Epidemiology. Third edition. Philadelphia: Elsevier Saunders.
2. Remington PL, Brownson RC, and Wegner MV. (2010). Chronic Disease Epidemiology and Control. American Public Health Association.
3. Pagano M and Gauvreau K. (2000). Principles of Biostatistics. Belmont, CA: Wadsworth.
4. Turnock B. (2011). Public health. Jones & Bartlett Publishers.
5. Edberg M. (2013). Essentials of Health Behavior. Social and Behavioral Theory in Public Health. Second Edition, Jones and Bartlett Publishers.
6. Griffith JR and White KR. (2010). The Well-Managed Healthcare Organization. Health Administration Press: Chicago, IL.
7. Kovner AR, McAlearney AS, Neuhauser D. (2013). Health Services Management: Cases, Readings, and Commentary. 10th Ed. Chicago, IL: Health Administration Press.
8. Lee LM. (2010). Principles and Practice of Public Health Surveillance. Oxford University Press
9. Merson M, Black RE, Mills A. (2006). International Public Health: Diseases, Programs, Systems and Policies. Jones & Bartlett Learning.

OR

SEC-1: Forensic Anthropology

2 CREDIT

25L

Unit-I: Introduction to Forensic Anthropology: Definition, Brief History, Scope, Applications and Integration of Forensic Anthropology. 5L

Unit-II: Basic Human Skeletal Biology, Identification of Human and Non-Human Skeletal Remains, Ancestry, age, sex and stature estimation from bones. 5L

Unit-III: Personal Identification, Complete and Partial Identification, Methods of Identification in Living Persons: Somatometry, Somatoscopy, Occupational Marks. 5L

Unit-IV: Serology: Identification and Individualization of bloodstain, urine, semen and saliva. 5L

Unit-V: Individualization: Forensic Odontology-Tooth Structure and Growth, Bite Marks, Facial Reconstruction, DNA Profiling. 5L

Suggested Readings:

1. Bass W.M. (1971). Human Osteology: A Laboratory and Field manual of the Human Skeleton. Columbia: Special Publications Missouri Archaeological Society.
2. Black S. and Ferguson E. (2011). *Forensic Anthropology 2000 to 2010*. CRC Press, London.

3. Byers, S. N. (2008). *Forensic Anthropology*. Boston: Pearson Education LTD.
4. Gunn A. (2009) *Essential Forensic Biology* (2nd ed). Chichester: Wiley-Blackwell
5. Modi, R. B. J. P. (2013). *A Textbook of Medical Jurisprudence and Toxicology*. Elsevier.
6. Reddy V. R. (1985). *Dental Anthropology*, Inter-India Publication, New Delhi.
7. Spencer, C. (2004). *Genetic Testimony: A Guide to Forensic DNA Profiling*, Pearson, New Delhi.
8. Vats Y., Dhall J.K. and Kapoor A.K. (2011). Gender Variation in Morphological Patterns of Lip Prints among some North Indian Population. *J. Forensic Odontology*, 4: 11-15.
9. Wilkinson, C. (2004). *Forensic facial reconstruction*. Cambridge University Press.

SEC-2 : Media Anthropology

2 CREDIT

25L

Unit I: Theoretical Foundations: Introduction to Media Anthropology; Intellectual Antecedents 4L

Unit II: Audiences, Consumption and Identity Formation: The Social and Material Life of Cinema; Television and the Cultural Politics of Nation; Gender and Subjectivity; the Nation and Temporality; Media as Material Objects. 6L

Unit III: The Cultural Work of Mass Media Production 4L

Unit IV: The Social Sites of Film and TV Production; the Exigencies of Commercial Filmmaking; the Constraints of Public Television Production. 4L

Unit V: Producing Reality – Journalism and Advertising; News as Social Practice; the Local and the Global in Advertising. 4L

Unit VI: Small Media: Materiality, Circulation, Everyday Life & Social Transformations; Indigenous Media and Cultural Activism. 3L

PRACTICAL CREDIT-2

20P

Make a brief report / project on any one dimension of mass media sector and give your assessment.

Suggested readings

Rothenbuhler, Eric W; Coman, Mihai. *Media anthropology*. 2005. California, Sage.

OR

SEC-2 : Tourism Anthropology

2CREDIT

25L

Unit I: Tourism- aspects and prospects, anthropological issues and theoretical concerns, tourist as ethnographer; pilgrimage and Authenticity Issues. 6L

Unit II: Interconnections between tourism history and the rise of the socio-cultural study of tourism including temporary migration, colonial exploration, pilgrimage, visiting relatives, imagined and remembered journeys, and tourism. 6L

Unit III: understand the global and local political economy of contemporary tourism, particularly in relation to international development; explore dynamic relationships between heritage-making enterprises, revival and preservation projects, the international flow of capital; role of museums and other branches of the cultural industries" (including music, art,

and food) in tourism economies; tourism and global mobility; Ecotourism and sustainable development. 8L

Unit IV: New Directions in the Anthropology of Tourism: Globalization, Tourism and Terrorism; applied aspects of anthropology in tourism development and planning. 5L

Suggested Readings

1. Chambers E. (2000). *Native Tours: The Anthropology of Travel and Tourism*. Prospect Heights: Waveland.
2. Crick M. (1995). *The Anthropologist as Tourist: An Identity in Question*. In Lanfant MF, Allcock JB, Bruner EM (eds.) *International Tourism: Identity and Change*. London: Sage. pp. 205-223.
3. Dann GMS, Nash D and Pearce PL. (1988). *Methodology in Tourism Research*. *Annals of Tourism Research*. 15:1-28.
4. Gmelch SB. (2004). *Tourists and Tourism: A Reader*. Long Grove: Waveland.
5. Graburn NHH. (1977). *Tourism: The Sacred Journey*. *Hosts and Guests: The Anthropology of Tourism*. Valene L. Smith, ed. Philadelphia: University of Pennsylvania Press. Pp. 33-47.
6. Dann G. (2002). *The Tourist as a Metaphor of the Social World*. Wallingford: CAB International.
7. Nash D. (1996). *Anthropology of Tourism*. New York: Pergamon.
8. Kirshenblatt-Gimblett B. (1998). *Destination Culture: Tourism, Museums, and Heritage*. University of California Press.
9. Lippard LR. (1999). *On the Beaten Track: Tourism, Art and Place*. New Press.
10. Picard M and Wood R. (1997). *Tourism, Ethnicity, and the State in Asian and Pacific Societies*. University of Hawai Press.
11. Crick M. (1994). *Anthropology and the Study of Tourism: Theoretical and Personal Reflections*. In Crick M (eds.). *Resplendent Sites, Discordant Voices: Sri Lankans and International Tourism*. Chur, Switzerland: Harwood Publishers.
12. Wood R. (1997). *Tourism and the State: Ethnic Options and the Construction of Otherness*. In Picard and Wood *Tourism, Ethnicity and the State in Asian and Pacific Societies*. University of Hawai Press.
13. Richard B. (1992). *Alternative Tourism: The Thin Edge of the Wedge*. In Valene Smith and Eadington Tourism (eds.). *Alternatives: Potentials and Problems in the Development of Tourism*. University of Pennsylvania Press.

SE3-Visual Anthropology

2 CREDIT

25L

UNIT 1: Introduction to Visual Anthropology, Visual Culture, Photographic and Digital Media: Still, Interactive and Moving. 5L

UNIT 2: Anthropology and Images: Ethnophotography and ethnographic films and mass media; Theories of representation, modern media and political advocacy. 7L

UNIT 3: Early Ethnographic Photography: Contexts and Trends. Anthropology of Art and Aesthetics 7L

UNIT 4: Ethnographic Films: Theoretical issues concerning ethnographic film, ethical dimensions of ethnographic film 6L

Suggested Readings

1. Marcus Banks and Howard Morphy, 1998, *Rethinking Visual Anthropology*
2. David MacDougall *Transcultural Cinema*, (Princeton, 1999)

3. 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.
4. Ch. 1, "Reading Pictures," pp. 1-12 [From: Banks, Marcus. 2001. Visual Methods in Social Research. London: Sage.]
5. Ember C.R. et al (2011). Anthropology. New Delhi: Dorling Kinderslay. [Unit II, III, IV (Page: 282-321, 430-438, 464, 469-471)]
6. Banks M. and Ruby J. (2011). Made do Be Seen. Perspectives on the History of Visual Anthropology. University of Chicago Press [Practical]
7. Schneider A. and Wright C. (2010) Between Art and Anthropology: Contemporary Ethnographic Practice. Berg Publishers [Practical]
8. Henley P. (2010). The Adventure of the Real. Jean Rouch and the Craft of ethnographic

OR

SEC-3: Fashion Anthropology

2 CREDIT

25L

Unit-I. Introduction: Fashion, Consumption, and Anthropology: From Evolution to Compassionate Consumption, the rise and fall of Evolution in Dress. 5L

Unit II: Theoretical and Ethnographic Approaches to Understanding Fashion and Consumer Society 5L

Unit III: Colonialism, Dress, and Identity, Consumption and Civilizing Fashion, Anti-colonial Dress. 5L

Unit IV: Gender and fashion; Fashion in cross-cultural aspects; role of religion in fashion; fashion in traditional and modern societies. 5L

Unit V: Globalization and Dress, leather cosmetic relationships, relationship of tribal clans with reference to embroidery color and designs in ethnic group of India. 5L

Suggested Readings

1. Allman, Jean. Fashioning Power: Clothing, Politics and African Identities. Bloomington: Indiana University Press, 2004.
2. Aronson, Lisa. "Body Modification and Art", in the Berg Encyclopedia of World Dress and Fashion, Volume 1, Africa. Berg Fashion Library, 2010.
3. Bachu, Parmindar. Dangerous Designs: Asian Women Fashion the Diaspora Economies. New York: Routledge, 2004
4. Fee, Sarah. "Anthropology and Materiality." In The Handbook of Fashion Studies. London: Bloomsbury, 2013, 301-324.
5. Hebdige, Dick. Subculture: The Meaning of Style. Routledge, 1979. ISBN: 0415039495
6. Schneider, Jane. "The Anthropology of Cloth", in Annual Review of Anthropology, 16 (1987): 409-448.
7. Smith, Fred T. "Archaeological Evidence", in the Berg Encyclopedia of World Dress and Fashion, Volume 1, Africa. Berg Fashion Library, 2010.
8. Tarlo, Emma. Clothing Matters: Dress and Identity in India. Chicago: University of Chicago Press, 1996.

SEC-4: Ethnographic Research Methodology

2 CREDIT

25L

Unit I: Research Design: Review of literature, conceptual framework, formulation of research problem/hypothesis, sampling, data collection, data analysis and report writing. 5L

Unit II: Field work tradition in Anthropology; Ethnographic approach; cultural relativism, ethnocentrism, etic and emic perspectives, comparative and historical methods, rapport establishment, categories of informants, field notes; Concept of survey. 5L

Unit III: Tools and techniques of data collection- questionnaire, interview schedule, Observation, interview, Focused Group Discussion, key informant, Case Study and life history, Genealogy - Technique and application. 5L

Unit IV: Ethical issue in social research: Importance of consent, privacy and confidentiality in research, Issues of academic fraud and plagiarism, conflicts of interest, authorship and publication. 5L

Unit V: Analysis and Writing Up: Chapterization, preparing a text for submission and publication, concepts of preface, notes (end and footnotes), glossary, prologue and epilogue, appendix, bibliography (annotated) and references cited, review and index. 5L

Suggested Readings

1. Bernard H.R. Research Methods in Anthropology, Qualitative and Quantitative Approaches. Jaipur: Rawat Publications. 2006.
2. Bernard, H.R. 1988. Research Methods in Cultural Anthropology. Sage Publication.
3. Emerson, R.M., Fretz RI and Shaw L. Writing Ethnographic Fieldnotes. Chicago, University of Chicago Press. 1995.
4. Lawrence, N.W., Social Research Methods, Qualitative and Quantitative Approaches. Boston: Allyn and Bacon. 2000.
5. O'reilly, K., Ethnographic Methods. London and New York: Routledge. 2005.
6. Patnaik S.M., Culture, Identity and Development: An Account of Team Ethnography among the Bhil of Jhabua. Jaipur: Rawat Publications. 2011.
7. Pelto, P.J. and Pelto, G.H., Anthropological Research, The Structure of Inquiry. Cambridge: Cambridge University Press. 1978.
8. Sarantakos, S., Social Research. London: Macmillan Press. 1998.
9. Ahuja, R. Research Methods. Rawat Publications. 2013.

OR

SEC-4: Demographic Anthropology

2CREDIT

25L

Unit I: Demographic Anthropology- definition and basic concepts, demographic rates and ratio, Relationship between demography and anthropology, Importance of demography in Anthropological studies 5L

Unit II: Population Theories; John Graunt, Thomas R. Malthus; Biological theory of population; Theory of demographic transition. 5L

Unit III: Tools of Demographic Data; Measures of population composition, distribution and growth, Measures of fertility, Measures of mortality. 5L

Unit IV: Population of India; Sources of demographic data in India, Growth of Indian population, Demography of Indian tribal and non-tribal groups, Anthropological determinants of population growth, Impact of urbanization on the migration of tribal groups 5L

Unit V: National policies- National Population Policy, National Health Policy, National Policy on Reproductive Health Care. 5L

Suggested Readings

1. Bhende A. and Kaniikar, T. (2006) *Principles of Population Studies*. Himalaya Publishing House. Mumbai (All Units, It covers most topics)
2. Caldwell J.C. (2006). *Demographic Transition Theory*. Springer.
3. Census of India (2001,2011), SRS bulletin (2013), NFHS (2006), CRS, NSSO (Can be seen from browsing net)
4. Gautam R.K., Kshatriya, G.K. and Kapoor A.K. (2010) *Population Ecology and Family Planning*. Serials publications. New Delhi.
5. Howell N. (1986) Demographic Anthropology. *Ann. Rev. Anthropol.* 15: 219-246
6. Kshatriya G.K. (2000). Ecology and health with special reference to Indian tribes. *Human Ecology special volume 9:229-245*.
7. Kshatriya G.K., Rajesh,G. and Kapoor , A.K. (2010) Population Characteristics of Desert Ecology.VDM Verlag Dr. Muller Gmbh and Co., Germany.
8. Misra BD (1982). *An introduction to the study of population*. South Asia publ. ltd. New Delhi.
9. National Population Policy <http://populationcommission.nic.in/npp.htm>
10. Park K. (2000) *Text book of Preventive and Social Medicine*. Banarsidas Bhanot, Jabalpur.
11. Patra P.K. and Kapoor, A.K. (2009) *Demography And Development Dynamics in a Primitive Tribe of Himalayas*. International Book Distributors, Dehradun
12. Sharma A.K. (1979) Demographic transition: A Determinant of Urbanization. *Social Change* 9: 13-17.
13. Srivastava O.S. (1996) *Demographic and Population Studies*. Vikas Publishing House, India

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