

**REVISED SYLLABUS FOR M.Sc. IN ANTHROPOLOGY UNDER CHOICE BASED  
CREDIT SYSTEM (CBCS) 2022  
1<sup>st</sup> Semester**

**COURSE: ANTH-CT-101A PHYSICAL ANTHROPOLOGY**

**Credit: 1 (Marks= 25)**

**Module PHYANTH 1A1: The Theories and Concepts of Evolution**

1. Lamarckism, Neo-Lamarckism, Darwinism, Neo-Darwinism, Modern Synthetic theory-- main tenets, criticism.
2. Neutral theory of molecular evolution.
3. Concept of microevolution and macroevolution.
4. Principles of evolution: convergence, divergence, parallelism, adaptive radiation
5. Concept of cladogenesis and anagenesis,
6. Dollo's rule, Cope's rule, extinction.
7. Species concept, Mayr's definition of species, speciation.

**Reading list:**

Dobzhansky T, Ayala, FJ, Stebbins, GL, Valentine, JW. 1973. *Evolution*. Delhi: Surjeet Publications.

Mayr. E. 1999. *Systematics and the Origin of Species*. Harvard: Harvard University Press.

Nelson H, Jurmain R. 1985. *Introduction to Physical Anthropology*. San Francisco: West Publishing Company.

Ridley M. 1993. *Evolution*. Boston: Blackwell Scientific Publications.

Stebbins, GL. 1971. *Processes of Evolution*. Englewood Cliffs: Prentice-Hall Inc.

Strickberger, MW. 1990. *Evolution*. London: Jones and Bartlett Publishers.

**COURSE: ANTH-CT-101B PHYSICAL ANTHROPOLOGY**

**Credit: 1 (Marks= 25)**

**Module PHYANTH 1B1: Primatology**

1. Definition and classification of primates (classical: Simpson; modern: Szalay and Delson)
2. Primate distribution, evolutionary trends; arboreal adaptation, locomotion.
3. Primates grades: Prosimians, New world monkeys, Old world monkeys and Pongids
4. Fossil primates: Apidium, Aegyptopithecus, Propithecus; Pongid-hominid split
5. Oligocene-Miocene fossils – Parapithecus, Gigantopithecus, Aegyptopithecus, Dryopithecus, Ramapithecus and Sivapithecus: distribution, general features, phylogenetic position.

**Reading list:**

Conroy GC. 1990. *Primate Evolution*. New York. Norton.

Delson. E, Tattersall I, Couvreur JV (eds.) 2000. *Encyclopedia of Human Evolution and Prehistory*. New York: Taylor and Francis.

Jones S, Martin R, Pilbeam D (eds.) 1992. *The Cambridge Encyclopedia of Human Evolution*. Cambridge: Cambridge University Press.

Ember CR, Ember M. Peregrine PN. 2006. *Anthropology*. Delhi: Pearson Education.

- Jurmain R, Nelson H, Kilgore L, Trevathan W. *Introduction to Physical Anthropology*. 1999. Belmont: Wadsworth.
- Nelson H, Jurmain R. 1985. *Introduction to Physical Anthropology*. San Francisco: West Publishing Company.
- Peregrine PN, Ember CR, Ember M. (eds.) 2002. *Physical Anthropology: Original Readings in Method and Practice*. New Jersey: Prentice-Hall.

**COURSE: ANTH-CT-102A Social cultural Anthropology      Credit: 1 (Marks= 25)**

**Module SCANTH 2A1: Society and Culture**

1. Society: (a) Society- concepts, components, and types functions; Social groups- primary, secondary and quasi groups and functions. (b) Community- features and types; (c) Association- features and types. 2. Social institutions: (a) Mores and folkway; (b) Norms and values; (c) Social sanctions. 3. Culture: (a) Meaning/concepts and definition of culture, components, aspects, traits, complexes, pattern, value, characteristics /attributes and nature of culture. (b) Relation among culture, language and society. Language - vehicle of culture. (c) Outline of Cultural Diffusion; Culture contact/ Acculturation. (e ) Culture and Personality

Reading List:

- Boas, F. 1911. *Mind of Primitive Man*. New York: Macmillan.
- Boas, F. 1928. *Anthropology and Modern Life*. New York: W.W. Norton and Co.
- Firth,R. 1921 Firth, R. 1971: *Elements of Social Organization*. London:

**COURSE: ANTH-CT-102B Social cultural Anthropology      Credit: 1 (Marks= 25)**

**Module SCANTH 2B1: Social Structure and Organization (Family, Marriage and Kinship)**

1. Social Structure and Organization: Concepts and meanings. Traditional social structure of the Indian tribes. 2. Family as a Social Institution: (a) Origin and development, (b) Family formation, (c) Types and forms of family, (d) Change in family structure and function. 3. Marriage: (a) Marriage rules-incest, taboo, endogamy, exogamy, preferential marriages, alliance and exchange marriage, dowry and bride price, etc., (c) Marriage and legitimacy, (d) Institution of marriage and contemporary change. 4. Kinship: (a) Importance of kinship organization, (b) aspects of kinship system (consanguine, affinal; kin-group: tribe, class, moiety, phratry, etc.), descent and rules of inheritance, (c) types of kinship system (classificatory and descriptive, terms of reference and address), (d) Kinship behaviour: joking and avoidance relationship, (e) recent development in kinship studies, (f) features of kinship system in India and the change

## **Reading List:**

- Boas, F. 1911. *Mind of Primitive Man*. New York: Macmillan.
- Bose, N.K. 1961. *Cultural Anthropology*, Bombay: Asia Publishing House. Bose, N.K. 1961. *Culture and Society in India*. Bombay: Asia Publishing House.
- Durkheim, E. 1897. *The Elementary Forms of Religious Life*. London: Allen and Unwin.
- Dube, Leela. 1974. *Sociology of Kinship: An analytical survey of literature*.
- Evans-Pritchard, E.E. 1951. *Social Anthropology*, New York: Free Press.
- Firth, R. 1921. *Primitive Economics of the New Zealand Maori*. London: George Routledge.
- Fortes, M. 1949. *The Web of Kinship among the Tallensi*. London: Oxford University.
- Harris, M. 1968. *Rise of Anthropological Theory*. New York.
- Hoebel, E.A. 1954. *Man in the Primitive World*. Harvard: University Press.
- Honigmann, J.J. (ed.): *Hand Book of Social and Cultural Anthropology*; Chicago: Rand McNally and Company,
- Kroeber, A. 1923. *Anthropology*. New York: Harcourt, Brace.

**COURSE: ANTH-CT-103A Archaeological Anthropology      Credit: 1 (Marks= 25)**

### **Module ARANTH 3A1: Tool Technology and Typology**

1 Basic concepts: Core tool, Flake tool, Bulb of Percussion, Primary flaking, Secondary flaking, Striking Platform etc. 2 Tool making techniques: Block-on-block, Block-on-envil, Cylinder hammer and hollow hammer technique, Fluting technique, Blunting technique, Pressure flaking technique, Grinding and Polishing technique etc. 3 Tool typology: Stone Tools:- Rostro-Carinate, Proto-Handaxe, Handaxe, Chopper, Cleaver, Tortoise Core, Scraper, Points, Blades, Knife blades, Burin, Microliths, Celts, Shoulder Celt, Ring Stone etc. Bone Tools: Arrow straightener (Batton –de-commandement), fish hooks, harpoon heads, Bone lence points, Spear thrower etc.

### **Module ARANTH 3B1: Lithic Cultures of Europe**

1. Different Sub-divisions, Type Station, Major Cultural features, Man responsible, tool typology, Distribution, Glacial age and Geological age 2. Lower Palaeolithic cultural stages: Pre-chellean, Chellean or Abbevillian, Clactonian, Acheulian and Levalloisian 3. Middle Palaeolithic Culture:- Characteristic features and distribution of Middle Palaeolithic Culture of Europe (Mousterian Culture); technological and Economic implication of evolution of flake tools 4. Upper Palaeolithic Cultural Stages: Perigordian, Aurignacian, Solutrean, Magdalenian, Study on Upper Palaeolithic Art 5. Mesolithic Culture of Europe: Comparative study on different sites and ages distributed over western and northern Europe.

### **Module ARANTH 3C1: The Neolithic Revolution**

1. Nature, Character, Distribution, Environment, Economy, Tool technology and typology, Pottery Making Technique etc.

**Reading List:**

Bhattacharya D. K. 1977 Palaeolithic Europe, Humanities Press Inc. USA  
Burkitt M.C. 1925 Prehistory, Cambridge: Cambridge University Press.  
Burkitt M.C. 1963 The Old Stone Age, Cambridge: Cambridge University Press.  
C. Gamble 1999 The Palaeolithic Societies of Europe, Cambridge: Cambridge University Press.  
Childe V.G. 1951 Man Makes Himself, New York: New American Library.  
Ember Carol R, Ember Melvin and Peregrine Peter N. 2002. Anthropology 10th edition. Delhi: Pearson Education.  
Gosden Chris 2003 Prehistory, Oxford: Oxford University Press. Oakley, Kenneth, Page 1956. Man the Tool-Maker. Natural History Museum: London

**COURSE: ANTH-CT-103B Research Methodology**

**Credit: 1 (Marks= 25)**

**Module RMANTH 3D1: Methods in Human Genetics and Statistics**

1. Twin method: biology of twinning, diagnosis of zygosity, heritability
2. Pedigree method
3. Introduction to statistics: use of statistics in Anthropology
4. Types of variable
5. Measure of central tendency: mean, median and mode
6. Measure of dispersion: range, mean deviation and standard deviation

**Module RMANTH 3E1: Methods in Prehistoric Archaeology**

1. Exploration and excavation
2. Surface collection

**Module RMANTH 3F1: Methods in Social Cultural Anthropology**

1. Field work traditions in Anthropology
2. Tools, Techniques and Methods of Data Collection
3. Conventional: Schedules, Questionnaires, Observation, Participant Observation, Interview, key Informant Interview, Genealogy, Case Study, Cross Cultural Comparison, Controlled Comparison and Mapping
4. Contemporary: Group Discussion, Focus Group Discussion (FGD), Participatory Rural Appraisal (PRA), Rapid Rural Appraisal (RRA) Module
5. Approaches of Research in Social Sciences, Micro and macro, Qualitative and quantitative, etic and emic, synchronic and diachronic.

**Reading List:****Physical Anthropology**

Barua Saumitra 2002. *Human Genetics: An Anthropological Perspective*. Kolkata: Classique Books.

Frank Harry and Althoen Steven C 1997. *Statistics: Concepts and Applications*. Cambridge: Cambridge University Press.

Madrigal Lorena 1998. *Statistics for Anthropology*. Cambridge: Cambridge University Press.  
Stern Curt 1973. *Principles of Human Genetics 3<sup>rd</sup> edition*. San Francisco: WH Freeman.

### **Social Cultural Anthropology**

Coehran, W.G. 1953: Sampling techniques, New York, John Wiley & Sons.  
Epstein, A.L. (ed.) 1967: *The Craft of Social Anthropology*, London: Partel Tavistock Publication, Evans-Pritchard, E.E. 1951: *Social Anthropology*. London: Cohen and West Goode, W.J. and Hatt, P. 1952: *Methods in Social Research*, New York: McGraw Hill.  
Pelto Perti, J. Pelto, Getel, H.: *Anthropological Research: The Structure of Inquiry*.  
Radcliffe-Brown, A.R. 1958: *Methods in Social Anthropology* (ed. By M.N. Srinivas); Bombay: Asia Publishing House.  
Sinha, S.C. (ed.) 1978: *Field studies on the people of India*; Calcutta: Indian Anthropological Society. Young, P.V. 1966: *Scientific Social Surveys and Research*, New Delhi: Prentice Hall of India Pvt. Ltd.

### **Prehistoric Archaeology**

Hole Frank and Heizer Robert 1973. *An Introduction to Prehistoric Archeology* New York: Holt Rinehart and Winston Inc.

**COURSE: ANTH-CP-104A**

**Credit: 2 (Marks= 50)**

### **Module PRPHYANTH 4A1: Craniometry**

1. Craniometric measurements - definitions, landmarks and instruments.
2. Linear measurements: maximum cranial length, maximum cranial breadth, least frontal breadth, glabella-inion length, nasion-inion length, bi-mastoid breadth, frontal arc, parietal arc, occipital arc, bizygomatic breadth, morphological superior facial height, nasal length, nasal breadth, palatal length, palatal breadth
3. Angular measurements using craniophore: metopic angle, alveolar profile angle, facial profile angle, nasal profile angle

### **Module PRPHYANTH 4B1: Somatometry and Somatoscopy**

1. Somatometric measurements - definition, landmarks and instruments
2. Linear measurements: maximum head length, maximum head breadth, least frontal breadth, bizygomatic breadth, bigonial breadth, nasal length, nasal breadth, nasal height, physiognomic facial height, physiognomic upper facial height, morphological facial height, morphological upper facial height, head circumference.
3. Somatometric indices: definition, measurements and classification: cephalic index, nasal index, morphological facial index, jugo-mandibular index
4. Somatoscopic observation: skin colour ---- exposed, unexposed; hair ---- colour, form, quantity, texture, whorl (number, type); eye ---- colour, opening, direction, epicanthic fold; nose ---- depression of root, height of tip, flare of wing.

5. Laboratory Note book and Viva-voce

**Reading List:**

Singh Indra P and Bhasin MK 2004. *A Manual of Physical Anthropology*. Delhi: Kamla-Raj Enterprises.

Weiner JS and Laurie JA 1969. *Practical Human Biology*. Oxford: Blackwell Scientific Publications.

**COURSE: ANTH-CP-104B**

**Credit: 1 (Marks= 25)**

**Module PARANTH 4C1:** Drawing, Description and Identification of Prehistoric Tools

1. Identification of tools and artifacts of Palaeolithic, Mesolithic and Neolithic Periods.
2. Drawing and description of tools and artifacts of the same periods stated above. Two major categories of tools have to draw along with labeling of different significant portions. In case of stone tools candidates will be instructed to draw dorsal and ventral view along with cross-sectional view of each tool.
3. Laboratory Note book and Viva-voce.

List of the tools to be identified and drawn are given below:

Stone Tools: Handaxe, Cleaver, Chopper, Scraper, Blade, Microliths, Celt and Shoulder Celt, Ring Stone etc.

Bone Tools and Artifacts: lance Point, Arrow Head, Harpoon, Baton-de-commandement, and Spear Thrower etc.

**COURSE: ANTH-CP-104C**

**Credit: 1 (Marks= 25)**

**Module PSCANTH 4D1:** Material Culture (Drawing, description and identification)

1. Identification, drawing and description of different objects of materials culture used by the various communities.
2. Laboratory Note book and Viva-voce.

**COURSE: DSE-1 General Anthropology**

**Credit: 2 (Marks= 50)**

**Module PHYANTH D1A: Osteology**

1. Human skeletal system: function and classification of bones according to size and position; axial skeleton and appendicular skeleton;
2. Bones of the human cranium: frontal, parietal, temporal, occipital bones, and mandible; Norma frontalis and Norma lateralis
3. Post cranial bones: Vertibral column, scapula, Clavicle, Hip girdle

4. Long bones: Humerus, Radius, ulna, femur, tibia, fibula
5. Sex differences in skull and pelvis.

**Reading List:**

- Hutchinson M, Mallatt J, Marieb EN. 2006. *A Brief Atlas of the Human Body*. Delhi: Pearson Education.
- Nelson H, Jurmain R. 1985. *Introduction to Physical Anthropology*. San Francisco: West Publishing Company.
- Poddar S, Bhagat A. 1987. *Handbook of Osteology*. Patna: Scientific Book Co.

**Module SCANTH D1B: Psychological School of thoughts**

1. Concept of Culture and Personality
2. Concept of Culture pattern: Ruth Benedict
3. Impact of Personality on Culture: Ruth Benedict
4. Impact of Culture on Personality: Margaret Mead
5. Study of National Character: Ruth Benedict and Margaret Mead
6. Culture Background of Personality: Ralph Linton
7. Basic personality type: Abram Kardiner
8. Modal personality, central tendency and frequency distribution: Cora-Du-Bois

**Reading List:**

- Benedict, R. 1934. *Patterns of Culture*, New York: Houghton Mifflin.
- Benedict, R. 1946. *The Chrysanthemum and The Sword*, Boston : Houghton Mifflin.
- Du-Bois, C. 1944. *The People of Alor*, Minneapolis : University of Minnesota Press.
- Durkheim, E. 1893. *Division of Labour in Society*, New York, Macmillan.
- Harris M. 1979. *Rise of Anthropological Theories*, London.: Routledge and Kegan Paul ltd.
- Honigmann, J.J. 1973. *Handbook of Social and Cultural Anthropology*, Chicago: Rand McNally and Co.
- Honigmann J.J. 1954. *Culture and Personality*, New York: Harper and Row.

**COURSE: DSE-2 Project work**

**Credit: 2 (Marks= 50)**

Project report to be submitted on the demographic profile from secondary source of data.

**M.Sc Anthropology**  
**2<sup>nd</sup> Semester**

**COURSE: ANTH-CT-201A Physical Anthropology**

**Credit: 1 (Marks= 25)**

**Module PHYANTH 1A2: Human Origin and Evolution**

1. Early hominids- Australopithecines, Homo habilis: distribution, general features, phylogenetic position.
2. Homo Erectus from Africa, Asia, Europe: distribution, general features, phylogenetic position.
5. Neanderthals: distribution, general features, phylogenetic position.
4. Characteristics of Archaic sapiens with special reference to Europe (Homo heidelbergensis), Africa (Rhodesian Man), Asia (China, Jinniushan; India, Narmada Man).
5. Characteristics of anatomically Modern Homo sapiens with special reference to Africa (*Omo*), Europe (*Cro-magnon*, *Chancelade*, *Grimaldi*), Asia (Jinniushan) and Australia (Lake Mungo).
6. Dispersal of modern humans: Out of Africa hypothesis, Multiregional hypothesis

**Reading List:**

- Conroy GC. 1990. *Primate Evolution*. New York: Norton.
- Delson. E, Tattersall I, Couvring JV (eds.) 2000. *Encyclopedia of Human Evolution and Prehistory*. New York: Taylor and Francis.
- Ember CR, Ember M. Peregrine PN. 2006. *Anthropology*. Delhi: Pearson Education.
- Jurmain R, Nelson H, Kilgore L, Trevathan W. Introduction to Physical Anthropology. 1999. Belmont: Wadsworth.
- Leakey R. 1994. *The Origin of Humankind*. New York: Basic Books.
- Nelson H, Jurmain R. 1985. *Introduction to Physical Anthropology*. San Francisco: West Publishing Company.
- Peregrine PN, Ember CR, Ember M. (eds.) 2002. *Physical Anthropology: Original Readings in Method and Practice*. New Jersey: Prentice-Hall.
- Tobias, PV. 1969. *The Brain in Hominid Evolution*. New York: Columbia University Press.

**COURSE: ANTH-CT-201B Physical Anthropology**

**Credit: 1 (Marks= 25)**

**Module PHYANTH 1B2: Human Variation**

1. Concept of race: historical development, typological, population and biological concepts; race statements; racism.
2. Geographical, local and micro races
3. Criteria for human classification; hair, head form, dermatoglyphics, ABO blood group
4. Distribution and characteristics of three primary races of mankind: Caucasoid, Negroid, Mongoloid.

**Module PHYANTH 1C2: Human growth and development**

1. Definition and concept of growth, maturation and development,
2. Methods of growth study: cross sectional, longitudinal, mixed longitudinal- merits and demerits.



3. Malnutrition, under-nutrition, obesity; causes
4. Roles of vitamin and minerals in human nutrition

**Reading List:**

- Barua Saumitra 2002. *Human Genetics: An Anthropological Perspective*. Kolkata: Classique Books.
- Bogin Barry 1999. *Patterns of Human Growth*. Cambridge: Cambridge University Press.
- Relethford JH 2002. *The Human Species: An Introduction to Physical Anthropology*. Boston: McGraw Hill.
- Singh IP and Bhasin MK 2004. *A Manual of Physical Anthropology*. New Delhi: Kamla-Raj Ent.
- Tanner JM 1990. *Foetus into Man: Physical Growth from Conception to Maturity*. Harvard:Harvard University Press.
- Vogel, F. and Motulsky, A. G., 1986, *Human Genetics: Problems and Approaches*, Berlin: Springer Verlag.
- Wardlaw GM, Insel PM. 1996. *Perspectives in Nutrition*. Boston: Mosby

**COURSE: ANTH-CT-202A Social cultural Anthropology      Credit: 1 (Marks= 25)**

**Module SCANTH 2A2: Economic Organisation, Political Organisation and Social Stratification**

1. Economic Organizations: Economic aspects of social relation. Characteristic features of primitive economy. Division of labour. System of production, technology, exchange, distribution, consumption. Concept of property and inheritance. Economic organisation in hunting- gathering and pastoral communities.
2. Political organization: Traditional political organization of the tribes; Social control; Primitive and modern political system. Patterns of political organization, customs law and social sanction.
3. Nature and function of social stratification.

**Reading List**

- Bose, N.K. 1961. *Cultural and Society in India*. Bombay: Asia Publishing House.
- Bose, N.K. 1961. *Cultural Anthropology*, Bombay: Asia Publishing House.
- Danda, A. K. 1971. *Tribal economy in India*. New Delhi: Inter India Publication.
- Dube, S.C. 1990 (2nd Ed. 1992). *Indian Society*. India: National Book Trust.
- Durkheim, E.1893. *Division of Labour in Society*. New York: Macmillan.
- Evans-Pritchard, E.E. 1951. *Social Anthropology*. . New York: Free Press.
- Evans-Pritchard, E.E. 1972. *Social Anthropology*. London: Routledge & Kegan Paul Ltd.
- Firth,R. 1921.*Primitive Economics of the New Zeland Maori*. London: George Routledge.
- Harris, M. 1979. *Rise of Anthropological theories*; London, Routledge & Kegan paul.

Haviland, A.W.1996. Cultural Anthropology. New York: Harcourt Brace College Publishers.  
Honigman, J.J. 1973. Handbook of Social and Cultural Anthropology. Chicago: Rand McNally and Co.,

**COURSE: ANTH-CT-202B Social cultural Anthropology      Credit: 1 (Marks= 25)**

**Module SCANTH 2B2: Religion, Magic, and Civilization**

1. Religion and Magic: Meaning and definition of religion. Anthropological approaches to the study of Religion. Theories of origin of religion. Function of religion. Forms of religion: Animism, animatism, fetishism, manaism, bongaism, naturism, totemism. Occultism and magical practices: Magic and witch-craft; magico-religious specialists; symbolism in religion. Religion and rituals. Religion, magic and science. 3. Culture and civilization: Concept, meaning and definition of civilization. 4. Concepts and views of various anthropologists and sociologists on civilization. Relation and differences between culture and civilization

**Reading List**

Boas, F. 1940. Race, Language and Culture. New York: MacMillan and Company.  
Bose N. K. 1975 The Structure of Hindu Society, New Delhi : Orient Longman Limited.  
Durkheim, E.1897. The Elementary Forms of Religious Life. London: Allen and Unwin.  
Ember, C.R., M. Ember and P.N. Pergrine 2002. Anthropology. Delhi:Pearson Education Asia.  
Evans-Pritchard, E.E. 1951. Social Anthropology. . New York: Free Press.  
Frajer, J.C. 1887. Totemism. Edinburgh: Adams & Charles. Frajer, J.C. 1911-1915. The Golden Bough, 3rd Edition. London: Macmillan.  
Harris, M. 1979. Rise of Anthropological theories; London, Routledge & Kegan paul. Haviland, A.W.1996. Cultural Anthropology. New York: Harcourt Brace College Publishers.  
Hobel, E.A. 1949. Man in the Primitive World. NewYoorK: McGrow-HillBook Company.  
Honigman, J.J. 1973. Handbook of Social and Cultural Anthropology. Chicago: Rand McNally

**COURSE: ANTH-CT-203A Social cultural Anthropology      Credit: 1 (Marks= 25)**

**Module SCANTH 3A2: Schools of Diffusionism**

1. Concept and features 2. British School of Thoughts 3. German School of Thoughts 4. American School of Thoughts

**Module SCANTH 3B2: Schools of Evolutionism**

1. Concept and features 2. Classical and Neo-evolutionary thoughts 3. Concept of Unilinear Evolutionists: L.H. Morgan and E. B. Tylor 4. Concept of Multilinear Evolutionist: Julian Steward 5. Concept of Universal Evolutionists: Gordon-Childe and L. White Module

**ModuleSCANTH 3C2: Functional School of Thoughts**

1. Concept of Malinowski
2. Theory of Need

### **Module SCANTH3D2: Structuralism and Neo-structuralism**

5. 1. Social Solidarity and Division of labour: Emile Durkheim.
6. 2. Structural-functionalism: Radcliffe-Brown.
7. 3. Structuralism: Social Structure: Levi- Strauss
8. 4. Social structure and Social Organisation: Raymond Firth.
9. 5. Post structuralism and Post Modernism

### **Reading List:**

- Behura, N. K. 1988 Anthropological thoughts and theories, Calcutta: Institute of Social Research and Applied Anthropology.
- Bose, N.K. 1929. Cultural Anthropology, Bombay: Asia Publishing House
- Child, V.G. 1951. Social Evolution, New York : Henry Schuman.
- Harris M. 1964. The Nature of Cultural Things, New York : Random House.
- Harris M. 1979. Rise of Anthropological Theories, London.: Routledge and Kegan Paul Ltd.
- Honigmann, J.J. 1973. Handbook of Social and Cultural Anthropology, Chicago: Rand McNally and Co. Honigmann
- J.J. 1954. Culture and Personality, New York: Harper and Row.
- Malinowski, B. 1922. Argonauts of Western Pacific, New York, Duttan.
- Malinowski, B. 1927. Sex and Repression in Savage Society, London, Routledge and Kegan Paul
- Malinowski, B. 1922. Argonauts of Western Pacific, New York,
- Levi-Strauss, C.1963. Structural Anthropology, New York:
- Radcliffe-Brown A. R.1948: A Natural Science of the Society, New York: Free Press.

**COURSE: ANTH-CT-203B Archaeological Anthropology      Credit: 1 (Marks= 25)**

### **Module ARANTH 3E2: Indian Prehistory**

1. The geo-climatic background: The three strata in India, The ice age in India, Quaternary subdivisions in India, Chronological classifications of different cultures.
2. The Palaeolithic cultural Phases: a) Lower palaeolithic culture: North-west India, Southern India and South- central Indian sites (Sohan valley, Attirumpukkum and Vadamadurai, Nevasa). b) Middle palaeolithic culture: Sites of Central and southern India (Nevasa) c) Upper palaeolithic culture: Western, southern and eastern India sites.
3. The Mesolithic Culture: a) The successive stages b) Southern and Eastern Indian sites.
4. The Neolithic Culture: a) Western, Southern, Central and Eastern Indian sites. b) The Megalithic Monuments: Dolman, Passage Grave, Stone Kist, Menhir etc.

5. The Chalcolithic period: Indus Valley Civilisation: Basic Characteristic features, Town planning, Trade and Commerce, Religion, Reasons for Declination.

### **Reading List**

Allechin B. 1982 The Rise of Civilization in India and Pakistan, Cambridge: Cambridge University Press,  
Allechin B. and R. Allchin 1982 The Birth of Indian Civilization, Penguin Books, New Delhi  
Bhattacharyya D. K. 1989 An Outline of Indian Prehistory, Delhi: Palaka Prakashan.  
Sankalia, H.D. 1962. Prehistory and Protohistory of India and Pakistan, Bombay: University of Bombay  
Sankalia, H.D. 1975. Prehistory of India, New Delhi: Munshiram Manoharlal.

### **Course ANTH-CP-204A (Practical)**

**Credit: 1 (Marks= 25)**

#### **Module PRPHYANTH 4A2:**

Field study/ Museum visit/ Laboratory visit/ Zoo visit/ Primate study  
Duration: at least 5 days

### **Course ANTH-CP-204B (Practical)**

**Credit: 1 (Marks= 25)**

#### **Module PARANTH 4B2:**

Fieldwork/Museum visit in Prehistoric Archaeology  
Duration: at least 5 to 7 days

### **Course ANTH-CP-204C (Practical)**

**Credit: 2 (Marks= 50)**

#### **Module PSCANTH 4C2:**

Fieldwork in Social Cultural Anthropology  
Duration: at least 15 to 20 days

### **COURSE: DSE-3 *Indian Anthropology***

**Credit: 2 (Marks= 50)**

#### **Module PHYANTH D3A: Physical Anthropology in India**

1. Primate studies in India, families of Indian primates
2. Primate conservation
3. Primates in Medical research
4. Ethnic profile of North Bengal and Sikkim
5. Studies in human growth and nutrition in West Bengal

## 6. Dermatoglyphic studies in West Bengal

### **Reading List:**

- Nelson H, Jurmain R. 1985. *Introduction to Physical Anthropology*. San Francisco: West Publishing Company.
- Bogin Barry 1999. *Patterns of Human Growth*. Cambridge: Cambridge University Press.
- Tanner JM 1990. *Foetus into Man: Physical Growth from Conception to Maturity*. Harvard: Harvard University Press.
- Sukla B.R.K. and Rastoi Sudha; 2018. *Physical Anthropology and human genetics - An introduction*. Palaka Prakashan, Delhi.

### **Module SCANTH D3B: Social Cultural Anthropology in India**

Theoretical contributions of Indian anthropologists and sociologists in understanding Indian society and culture with particular references to – D.N. Majumdar, I. Karve, L.P. Vidyarthi, M.N. Srinivas, N.K. Bose, S.C. Roy, S.C. Sinha, T.C. Das, S.C. Dube, Verrier Elwin, M.N. Basu, B.K. Roy Burman.

### **Reading List:**

- Bose, N.K. (ed.) 1961. *Peasant life in India*. Calcutta: ASI. Bose, N.K. 1967. *Problems of National Integration*; Simla: Indian Institute of Advanced Study, Bose, N.K. (Translated by A. Beteille) 1975: *The Structure of Hindu Society*; Calcutta.: Orient Longman, Danda, A.K. 1996: *Foundation of Anthropology in India*; , New Delhi.: Inter-India Publication Danda, A.K. *Ethnicity in India*; New Delhi.: Inter India Publication.
- Desai, A.R. 1948. *Social Background of Indian Nationalism*; Bombay.: Popular Prakashan.
- Engineer, A.A. (ed.). 1984. *Communal Riots in Post Independence India*, New Delhi: Sangam Books.
- Guha, A. 2011. *Ethics of Field work in the Study of Bengal Famine: The Case of Tarak Chandra Das* 46 (2&3): 135-144,

**COURSE: DSE-4 Book Review**

**Credit: 2 (Marks= 50)**

Review any two text books and submit for evaluation

**M.Sc Anthropology**  
**3<sup>rd</sup> Semester**

**COURSE: ANTH-CT-301A Physical Anthropology**

**Credit: 1 (Marks= 25)**

***Module PHYANTHIA3: Human Genetics***

1. Human chromosomes: non-disjunction; classification; chromosome variation in number and structure: euploidy, polyploidy, mosaics; deletion, duplication, inversion, translocation; syndromes; banding
2. Mutation and its types; point mutation in man, Natural selection in man, penetrance and expressivity
3. Simple Mendelian inheritance in Man ---- Autosomal (dominant, recessive), Sex-linked (X linked- dominant, recessive, Y linked), Co-dominant inheritance
4. Polygenic inheritance, heritability
5. Genetics of ABO and Rh(D) blood groups ---- genetics, inheritance and incompatible mating.
6. Practical application of human genetics ---- eugenics, genetic counseling, genetic screening, ethical and social implications.

**Reading List:**

Barua Saumitra 2002. *Human Genetics: An Anthropological Perspective*. Kolkata: Classique Books.

Gardner Eldon John, Simmons Michale J and Snustad D Peter 1991. *Principles of Genetics*. New York: John Willey & Sons.

Harper, P. S. 1998, *Practical Genetic Counseling*, Oxford: Butter worth Heinemann.

Klug WS and Cummings MR 1999. *Essentials of Genetics* New Jersey: Prentice Hall.

Lewis Richi 2003. *Human Genetics: Concepts and Applications* Boston: WCB McGraw Hill.

Rothwell, N. V., 1978, *Human Genetics*, New Delhi: Prentice Hall Pvt. Ltd.

Thompson, J. S. and Thompson, M. W. 1968, *Genetics in Medicine*, Philadelphia: W. B. Saunders.

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

**COURSE: ANTH-CT-301B Physical Anthropology**

**Credit: 1 (Marks= 25)**

***Module PHYANTH 1B3: Human Genetic Variation***

1. Genetic variation: genetic drift, recombination, migration, founder's effect
2. Genetic variation in red cell enzymes: PGM, Red cell acid phosphatase
3. Genetic variation in plasma proteins: Hp, Tf
4. Genetic variation in DNA: mt DNA

5. Haemoglobin: Normal Hb, fetal Hb: structure and function; Abnormal haemoglobin: HbS, HbE and HbC – structure, function and genetic variation.
6. Immunology: immune system, immunoglobulins
7. Mutations and mutagens.

**Module PHYANTH 1C3: Human Auxology**

1. Growth curves: Velocity, Distance, Acceleration and Scammon's Growth curve
2. Prenatal growth: the three trimesters and post natal growth
3. Catch up growth and Secular trend
4. Factors affecting growth: Hereditary, environment, hormone, nutrition, socio-economic factors
5. Tanner stages of growth

**Reading List:**

- Giblett ER. 1969. *Genetic Markers in Human Blood*. Oxford: Blackwell Scientific Publications
- Jurmain R, Nelson H, Kilgore L, Trevathan W. *Introduction to Physical Anthropology*. 1999. Belmont: Wadsworth.
- Mourant AE, Kopec AC, Domaniewska-Sobczak K. 1978. *Blood Groups and Diseases: a Study of Associations of Diseases With Blood Groups and Other Polymorphisms (Monographs on Medical Genetics)*. London: Oxford University Press.
- Peregrine PN, Ember CR, Ember M. (eds.) 2002. *Physical Anthropology: Original Readings in Method and Practice*. New Jersey: Prentice-Hall.
- Race RR, Sanger R. 1975. *Blood Groups in Man*. Oxford: Blackwell Scientific Publications
- Strickberger, MW. 1990. *Evolution*. London: Jones and Bartlett Publishers.
- Vogel F, Motulsky AG. 1986. *Human Genetics: Problems and Approaches*. New York. Springer-Verlag.
- Tanner JM 1990. *Foetus into Man: Physical Growth from Conception to Maturity*. Harvard: Harvard University Press.
- Wardlaw GM, Insel PM. 1996. *Perspectives in Nutrition*. Boston: Mosby

**COURSE: ANTH-CT-302A Social cultural Anthropology      Credit: 1 (Marks= 25)**

**Module SCANTH 2A3 History and development of social-cultural anthropology in India**

1. History and development of social-cultural anthropology in India
2. Ethnographic profile of India: Racial, ethnic, linguistic and religious communities.
3. Multiculturalism in India- challenges and opportunities; communalism, regionalism, identity crisis, ethnicity, unrest among the ethnic groups and marginal people, tribal movements and problems of national integration.

## Reading List:

- Bose, N.K. (ed.) 1961. Peasant life in India. Calcutta: ASI. Bose, N.K. 1967. Problems of National Integration; Simla: Indian Institute of Advanced Study, Bose, N.K. (Translated by A. Beteille) 1975: The Structure of Hindu Society; Calcutta.: Orient Longman, Danda, A.K. 1996: Foundation of Anthropology in India; , New Delhi.: Inter-India Publication Danda, A.K. Ethnicity in India; New Delhi.: Inter India Publication.
- Desai, A.R. 1948. Social Background of Indian Nationalism; Bombay.: Popular Prakashan. Engineer, A.A. (ed.). 1984. Communal Riots in Post Independence India, New Delhi: Sangam Books.
- Guha, A. 2011. Ethics of Field work in the Study of Bengal Famine: The Case of Tarak Chandra Das 46 (2&3): 135-144,

**COURSE: ANTH-CT-302B Social cultural Anthropology      Credit: 1 (Marks= 25)**

### Module SCANTH 2B3: Regional Studies

1. Ethnic Profile of the Indigenous Populations of West Bengal and Sikkim
2. Southern part of West Bengal.
3. Northern part West Bengal (North Bengal).
4. Sikkim

### Module SCANTH 2C3: History and Development of Tea Gardens in North Bengal

1. Historical Perspectives of establishment of Tea Gardens.
2. Ethnic profile and Social system of Tea Garden labourer.
3. Acculturation and Cultural change.
4. Syncretism.

### Reading List

- Bagchi A. and Bhattacharya (eds.), The History and Culture of the Hills and the Plains, B.R. Publishing Corporation, Delhi.
- Bhadra, R.K. 1997: Social Dimension of Health of Tea Plantation workers in India; Dibrugarh: N.L. Publishing.
- Bhadra, R.K. and Mita Bhadra. 1997: Plantation labourers of North East India; Dibrugarh: N.L. Publishers.
- Bhowmik, K.S. 1981: Class Formation in a plantation system; New Delhi.: P.P. Lt.
- Das, A.K. 1969: The Lepchas of West Bengal; Bulletin CRI Publication special series, 19.
- Das, A.K. and M.K. Raha. 1967: The Rabhas of West Bengal; Bulletin of CRI Special Series.
- Sanyal, C.C.. 1965: Rajbanshi of North Bengal; Calcutta: Asiatic Society.
- Sinh, A.C.: Politics of Sikkim; New Delhi: Thomson Press. Xaxa, V. 1980: Evolution of Agrarian Relation in Jalpaiguri; Sociological Bulletin, March



## DSE

### (GROUP-A)

**COURSE: DSE-5 Social Cultural Anthropology**

**Credit: 2 (Marks= 50)**

#### **Module SCANTH D5A: Rural Society in India - I**

1. Characteristics of Rural Society. Salient criteria to distinguish rural society from urban society. 2. Agrarian Class Structure: (a) Characters of Indian peasants. (b) Agrarian social structure. Social organization of production, caste and agrarian relations in Indian villages. Impact of globalization on Indian villages, the changing agrarian relations. 3. Agrarian movements in India.

#### **Reading List**

- Beteille, Andre. 1966: Caste, Class and Power. Delhi: Oxford University Press.  
Beteille, Andre. 1974: Studies in Agrarian Social Structure; Delhi: Oxford University Press.  
Bottomore, T.B. 1970: Class in Modern Society. London: George Allien and Unwin.  
Dasgupta, Biplab (ed.) 1975: Village Studies in the Third World, Delhi: Hindustan.  
Desai. A.R. 1969: Rural Sociology in India. Bombay: Popular. Dhanagare,  
D.N. 1983: Peasant Movements in India after Independence. Delhi: Oxford University Press.  
Dube,  
S.C.1955. India's Changing Villages: Human Factors in Community Development. London:  
Cornell University Press. Dube, S.C.1955. Indian Village. London: Cornell University  
Press.

#### **Module SCANTH D5B: Rural Society in India - II**

1. Village Communities in India: Village studies in India- (tribal and peasant); primitive society as a conceptual model of village ethnography. Village, social systems- solidarity, external linkages, rural cosmopolitan (Oscar Lewis), unity and extension of Indian villages (Morris E. Opler), factions, conflicts. 2. The Varna–Jati and Caste System in India: Stratification, caste as a group and as a system of social segmentation and integration. 3. Social and cultural change with special references to caste in modern India / changing dimensions of caste and rural society: Traditional and changing patterns of settlement and inter-caste relations; various mobilities' in caste as well as in village societies; panchayati raj and social change; media and social change.

#### **Reading List**

- Beteille, Andre. 1966: Caste, Class and Power. Delhi: Oxford University Press.  
Beteille, Andre. 1974: Studies in Agrarian Social Structure; Delhi: Oxford University Press.  
Bottomore, T.B. 1970: Class in Modern Society. London: George Allien and Unwin.  
Dasgupta, Biplab (ed.) 1975: Village Studies in the Third World, Delhi: Hindustan.

Desai. A.R. 1969: Rural Sociology in India. Bombay: Popular. Dhanagare,  
D.N. 1983: Peasant Movements in India after Independence. Delhi: Oxford University Press.  
Dube,  
S.C.1955. India's Changing Villages: Human Factors in Community Development. London:  
Cornell University Press. Dube, S.C.1955. Indian Village. London: Cornell University  
Press.

**COURSE: DSE-6 Social Cultural Anthropology**

**Credit: 2 (Marks= 50)**

**Module SCANTH D6A: Weaker Sections in Indian Populations - I**

1. Weaker section in Indian Population: Definition and characteristics features of tribes, scheduled tribes, denotified communities. Scheduled castes and Other Backward Communities/Classes; and Dalits' in India. 2. Economic, education and social profile of the weaker sections. 3. Exploitation, deprivation and violence against weaker section and Ameliorative measures. 4. Relation between weaker and non-weaker sections with special references to so-called earlier untouchable and touchable; and tribal-nontribal relations. Untouchability and its eradication; and Dalit consciousness. 5. Dalit Movements and Socio-political Reformers: Dalit leaders and their activities with special references to Dr. B.R. Ambedkar, Jyotirao Phule, Babu Jagjivan Ram, Manyawar Shir Kanshi Ram Ji, Jogendra Nath Mandal, Harichand Thakur and Guruchand Thakur, Thakur Panchanan Barma etc.

**Reading List**

Ahmed Aziz. 1964 Studies in Islamic Culture in the Indian Environment. Clarendon Press.  
Ahmed Indiaz. 1976 Oxford: Caste and Social Stratification Among Muslims in India, New Delhi: Monohar Publications.  
Ahuja, Ram. 1999. Violence against Women. Jaipur: Rawat Pub.  
Ahuja, Ram. 1999. Society in India. New Delhi: Rawat. Ahuha, Ram. 1999. Indian Social System. New Delhi: Rawat.  
Bhadra, Mita. 1999. Girl Child in Indian Society. Rawat Pub. Jaipur: New Delhi.  
Bhai, P. Nirmala. Harijan Women in Independent India; New Delhi: B.R. Publishing Corporation,  
Bhowmik, P.K. 1963 The Lodhas of West Bengal. Calcutta, Punthi Pustak

**Module SCANTH D6B: Weaker sections in Indian Populations - II**

1. Religious minorities of Indian population: Socio-economic and political situation of the religious minorities. 2. Impact of Buddhism, Jainism, Islam and Christianity on India society. 3. Linguistic and religious minorities and their social, political and economic status. 4. Women in Indian society: Women as social and cultural entities; role, status and position; and authority of women in tribal and so-called modern societies. Exploitation and violence against women. Empowerment, equality and women's movement with special reference to India.

### **Reading List**

- Bose, N.K.1971. Tribal Life in India. New Delhi, National Book Trust.  
Chaudhuri, B. 1982. Tribal Development in India: Problems and prospects. New Delhi: InterIndia, Publications.  
Danda, A.K. (ed.). 1978. Tribal Women in India. Calcutta.: Indian Anthropological Society.  
Imam Zafari (ed.) 1975 Muslims in India, New Delhi: Orient Longman.  
Evelyn, S.K. 1975. Women: An. anthropological view. New York: Hold Rainhart and Winston.  
Freild, E. 1975. Women and Men: Anthropologists View. New York: HRW.  
Hobel, E.A. 1949. Man in the Primitive World. NewYoork: McGrow-HillBook Company.  
Majumder, D.N. 1958. Caste and Communication in an Indian Village. Bombay Asia Publishing House

**COURSE: DSE-7 Social Cultural Anthropology**

**Credit: 2 (Marks= 50)**

### **Module SCANTH D7A: Concepts of culture and civilization**

1. Little Community, Folk Society, Peasant Society. 2. Folk Urban Continuum, Little and Great Tradition. 3. R. Redfield and A.L. Kroeber model on Civilisation. P.G. Syllabus in Anthropology under CBCS Page 42 Module SCANTH 18: Indian Culture and Civilisation 1. Concept of Tribe-Caste Continuum: F.G.Baily, Surajit Sinha, Martin Orans and N.K.Bose. 2. Culture Role of Traditional City: Milton Singer 3. Study on Sacred Complex: L.P.Vidyarthi 4. Study on Network and Centres in the Integration of Indian Civilisation: B. S. Cohn and Mackim Marriott 5. Unity and Diversities in Indian Civilization: N.K.Bose

### **Reading List:**

- Bose N. K. 1975 The Structure of Hindu Society, New Delhi : Orient Longman Limited.  
Kroeber A. 1957 Style and Civilisation, Ithaca: Cornell University  
Redfield, R. 1941 The Folk Culture of Yukatan, Chicago, Chicago University Press  
Redfield, R. 1953 Primitive World and its Transformation, New York Redfield,  
R. 1955 The Little Community: View Point for the Study of Human Whole, Chicago: Chicago University Press Singer,  
M. 1972 When a Great tradition Modernises, Chicago : Chicago University Press.  
Singer, M. 1975 Traditional India: Structure and Change, Chicago : Chicago University Press,  
Vidyarthi, L.P. 1961 Sacred Complex in Hindu Gaya, Bombay: Asia Publishing House  
Vidyarthi, L.P. 1963 The Maler: Nature-Man-Spirit Complex in a Hill Tribe of Bihar, Calcutta: Bookland Private Limited.

### **Module SCANTH D7B: Concept and Approaches of Social and Cultural dynamics in India**

1. Sanskritization, Westernization, Universalization, Parochialization, Modernization, Little and Great Tradition. 2. Dominant Caste, Dominant Communities, Multiple Tradition, 3. Unity and Extension of Indian Villages, Rural Cosmopolitan, Cognitive Historical Approach. 4 Theories of Structural Changes: Class and Class conflict: Karl Marx 5. Dialectical Approach: Dialectical Materialism: Karl Marx 6. Application of both the theories in Indian Context.

**Reading List:**

- Marriott, Mc Kim 1955 Village India; Chicago: Chicago University Press.
- Singh Yogendra 1973 Modernisation of Indian Tradition, New Delhi: Thomson Press (India) Limited. Singh Yogendra 1975 Essays on Modernisation in India, New Delhi: Monohar Book Service.
- Singh Yogendra 1993 Social Change in India: Crisis and Resilience, New Delhi: Har-Anand PVT. LTD, Sinha, S. 1965 Tribe-Caste Continuum, Man in India, Vol. 45, No.1
- Srinivas M. N. 1952 Religion and Society among Coorgs of South India, Bombay: Asia Publishing House. Srinivas M. N. 1962 Caste in Modern India and other Essays, Bombay: Asia Publishing House

**COURSE: DSE-8 Social Cultural Anthropology****Credit: 2 (Marks= 50)****Module SCANTH D8A: Theoretical concepts of Medical Anthropology**

1. Definition, Scope, Division, Dimension.
2. Concept of Health, Disease, Treatment and health seeking behavior.
3. Sickness, Disease and Illness.
4. Epidemiology and Community Medicine.
5. Review on different medical anthropological studies.

**Module SCANTH D8B: Approaches of Medical Anthropology**

1. Bio-cultural approach
2. Archaeological approach
3. Culture ecological approach
4. Ethnomedical approach
5. Applied approach

**Module SCANTH D8C: Advanced Medical Anthropology**

1. Case Studies in explanatory Models.
2. Critical Medical Anthropology.
3. Cultural, Structural and Environmental Factors.
4. Healers in Cross-Cultural Perspectives.

**Reading List:**

- Carstairs G. M. 1955 Medicine and Faith in Rural Rajasthan In Health, Culture and Community, edited by B. D. Paul, New York: Russel Sage Foundation.
- Channa, S. M. (Ed.) 1998 Medical Anthropology Health, Healers, New Delhi: Cosmo Publications. Chaudhuri, B. 1986 Tribal Health: Socio-Cultural Dimensions, New Delhi: Inter India Publications. Chaudhuri, B. 1989 Social Science, Health and Culture: The Tribal Situation, Social Action, 39 (3), 1989, pp 243-53.
- Chaudhuri, B. 1990 Culture and Environmental Dimensions on Health, New Delhi: Inter India Publication.
- Chaudhuri, B. 2003 Health, Forest and Development: The Tribal Situation, New Delhi: Inter India Publication.
- Hahn, Robert A. 1995 Sickness and Healing: An Anthropological Perspective. New Haven, CT: Yale University Press.
- Lewis, Oscar 1959 Medicine and Politics in Mexican Village In Health, Culture and Community, edited by B. D. Paul New York: Rossel Sage Foundation pp: 403-434.
- Marriott, Mackim 1955 Western Medicine in the Village of North India, Health Culture and Community, edited by B.D. Paul, New York: Rossel Sage Foundation, pp: 239-268.

Nichter, M, 1992 “The Layperson’s Perception of Medicine as Perspective into the Utilization of Multiple Therapy System in the Indian Context.” *Social Science and Medicine* 148: 225-233.

Singh, B. and N. Mahanti 1995 *Tribal Health in India*, New Delhi : Inter India Publications,

### **Module SCANTH D8D: Applied Medical Anthropology:**

Culture and Nutrition 1. Concept and approaches. 2. Mother and Child. 3. Indigenous and disadvantaged Populations.

### **Module SCANTH D8E: Indigenous Health**

1. Indian Perspective. 2. World Perspective.

### **Module SCANTH D8F: Healthcare Programmes and Services in India**

1. Review of Health Policies. 2. Nutritional Feeding Programme (Rural and Backward areas). 3. Population Control Programme (Rural and Backward areas). 4. National Drinking Water Mission (Rural and Backward areas). 5. Total Sanitation Programme (Rural and Backward areas). 6. Immunization Programme (Rural and Backward areas). 7. Institutional Delivery Programme. 8. Contemporary Programme and Services. 9. Swachh Bharat

### **Reading List**

Chaudhuri, B. 1990 *Culture and Environmental Dimensions on Health*, New Delhi: Inter India Publication.

Chaudhuri, B. 2003 *Health, Forest and Development: The Tribal Situation*, New Delhi: Inter India Publication.

## **COURSE: DSE-9 Social Cultural Anthropology**

**Credit: 2 (Marks= 50)**

### **Module SCANTH D9A: Ecological Anthropology**

1. Meaning, concept, definition of ecology, cultural/ social ecology. Aims and scopes and relevance of Ecological Anthropology. 2. Eco system, ethno-ecology, population ecology, human ecological niche. Variety of human eco system. Contribution of Wissler, Steward, Forde, Barth. 3. Ecology, nature and culture. Relation between ecology and society/communities, food resources, nutrition, health. Indigenous Knowledge System (IKS) and Indigenous ways of conserving and maintaining natural resources, ecosystem as well ecological balance. 4. Contemporary environmental issues: Deforestation, etc. and ecological imbalance and debates in Himalayas and adjacent regions

### **Reading List**

Beteille, Andre 1983: *The Idea of Natural Inequality and Other Essays*. Delhi: Oxford Cohen,

- Yehudi A. 1968. Man in adaptation; the cultural present. Chicago: Aldine Pub. Co. Descola, M. & R. Guha, 2007, The Use and Abuse of Nature. New Delhi: Oxford University Press.
- Gerasimov, I.P. et.al. 1975. Man Society and the Environment. Moscow: Progress Publishers.
- Guha, R. 2006, Social Ecology. New Delhi: Oxford University Press. Guha, Ramachandra. 1990. The unquiet woods: ecological change and peasant resistance in the Himalaya. Berkeley: University of California Press.
- Guha, Ramachandra. 2003. Social ecology. Oxford in India readings in sociology and social anthropology. Delhi [u.a.]: Oxford University Press.
- Jha, V. C. (ed.) 2003, Land Degradation and Desertification. Jaipur: Rawat Publications.

### **Module SCANTH D9B: Action Anthropology and Practicing Anthropology**

1. Action Anthropology and Sol Tax; Participant intervention vs. Action Anthropology approaches; other aspects; international development and community development; Different Perspectives, dimensions and theories of development; Applied anthropology; The Anthropology Critique of Development Anthropology; Diffusion, Innovation and Sustainability; Participatory Research Procedures and Paradigms; Rapid Assessment Procedures, RRA in contemporary perspectives. 2. Development and Ethics: Aspects and Development of Practicing Anthropology; The rights and obligations of anthropologists toward their subjects and clients 3. Business Anthropology and Social Marketing: Intercultural Training; Business and Organisational aspects of Anthropology

#### **Reading List:**

- Epstein, A.L. (ed.) 1967: The Craft of Social Anthropology, London: Partel Tavistock Publication. Evans-Pritchard, E.E. 1951: Social Anthropology. London: Cohen and West.
- Goode, W.J. and Hatt, P. 1952: Methods in Social Research, New York: McGraw Hill.
- Lindzey, G. (ed.) 1976: Handbook of Social Psychology, Vol. I & II, Addison-Wesley.
- Pelto Perti, J. Pelto, Getel, H.: Anthropological Research: The Structure of Inquiry.
- Radcliffe-Brown, A.R. 1958: Methods in Social Anthropology (ed. By M.N. Srinivas); Bombay: Asia Publishing House.
- Sinha, S.C. (ed.) 1978: Field studies on the people of India; Calcutta: Indian Anthropological Society.
- Young, P.V. 1966: Scientific Social Surveys and Research, New Delhi: Prentice Hall of India Pvt. Ltd.

**COURSE: DSE-10 Social Cultural Anthropology**

**Credit: 2 (Marks= 50)**

### **Module SCANTH D10A: Emerging Medical Anthropology**

1. Clinical medical anthropology, Health Services and role of anthropology; HIV/AIDS, TB, Sexual and Reproductive Health; Roles of International and National Health Organisations, NGOs.

2. Anthropology and Social Work in the perspective of Cultural Dimensions on Health: Crime, Trafficking, 'Sex Work', Women, Gender, Transgender, Labour, Refugee, Environment; Gerontology and Anthropology.

3. Queer Anthropology: Concept and Consequences, World and Indian Perspective.

### **Reading List**

Dave, Naisargi, 2012. Queer Activism in India: A Story in the Anthropology of Ethics, Durham: Duke University Press.

Feldman, Douglas A (ed.) (2008), AIDS, Culture, and Africa, Gainesville, F.L. University Press of Florida.

Foucault, Michel, 1978. The History of Sexuality, Vol, 1: An Introduction, New York: Vintage Books. Michel J. (2008). Physiology of Exercise and Healthy Aging, Human Kinetics.

Kulick, Don (1998). Travesti: Sex, Gender and Culture among Brazilian Transgendered Prostitute. Chicago: University of Chicago Press.

Scheidt, Rick J.; Schwarz, Benyamin (2013), Environmental Gerontology, What Now?. New York: Routledge

### **Module D10B Globalisation**

1. Basic Concepts: Definition, Nature, Diffusion to Globalisation, The Predicament in Anthropology.

2. Effects of Globalisation: On Physical, Social-Cultural Anthropology, Economic Anthropology, Field Studies, Language, Dalit and Indigenous Population in India.

3. Emerging Issues: Intellectual Property Rights, Patent Act, World Trade Organisation.

4. Globalisation and Social Transformation in India.

### **Module D10C Development in Indian Context**

1. Perspectives on Development

2. Development : Economic and Social Dimensions

3. Gender Development

4. Sustainable Development: Definition, Concept, Dimensions in Indian Context

### **Reading List:**

Epstein, A.L. (ed.) 1967: The Craft of Social Anthropology, London: Partel Tavistock Publication. Evans-Pritchard, E.E. 1951: Social Anthropology. London:

Cohen and West. Goode, W.J. and Hatt, P. 1952: Methods in Social Research, New York: McGraw Hill.

Lindzey, G. (ed.) 1976: Handbook of Social Psychology, Vol. I & II, Addison-Wesley.

Pelto Perti, J. Pelto, Getel, H.: Anthropological Research: The Structure of Inquiry.

Radcliffe-Brown, A.R. 1958: Methods in Social Anthropology (ed. By M.N. Srinivas); Bombay: Asia Publishing House.

Sinha, S.C. (ed.) 1978: Field studies on the people of India; Calcutta: Indian Anthropological Society.

Young, P.V. 1966: Scientific Social Surveys and Research, New Delhi: Prentice Hall of India Pvt. Ltd.

**DSE**  
**GROUP-B**

**COURSE: DSE-5 *Physical Anthropology***

**Credit: 2 (Marks= 50)**

**Module PHYANTH D5A: Cell Biology and Inborn Errors of Metabolism**

1. Cell Biology: cell cycle, structure of DNA, RNA and protein
2. Repeatative, non-repeatative and satellite DNA; euchromatin and heterochromatin
3. Biological significance of DNA; protein synthesis- translation, transcription, central dogma
4. mtDNA: structure, function, use in Physical Anthropology
5. RFLP
6. Human genome
7. One gene one enzyme hypothesis, Ingram's hypothesis
8. Biochemical pathways and heredity: Phenylketonuria, alkaptonuria and albinism

**Module PHYANTH D5B: Human Reproductive Biology and Applied Human Genetics**

5. Human reproduction: hormones related to growth and reproduction
6. Pituitary cycle
7. Ovulation, menstrual cycle, menarche and menopause
8. Wolffian duct: structural organisation and function
9. Mullerian duct structural organisation and function; evolution of Mullerian duct and adaptations for pregnancy
6. Genetic counseling: single-gene disorder, complex disorder and the potential effect of genetic counseling.
7. Genetic screening

**Reading List:**

Strickberger MW. 2005. *Genetics*. New Delhi: Prentice-Hall of India Pvt. Ltd.

Klug WS, Cummings MR. 2000. *Concept of Genetics*. New Delhi: Prentice-Hall India

Gardner EJ, Simmons MJ, Snustad DP. 2006. *Principles of Genetics*. New York: John Wiley.

Vogel F, Motulsky AG. 1986. *Human Genetics: Problems and Approaches*. New York. Springer-Verlag.

Chatterjee, C.C. 1997, Human Physiology, Calcutta; Medical Allied Agency

Thompson, J. S. and Thompson, M. W. 1968, *Genetics in Medicine*, Philadelphia: W. B. Saunders.



**Module PHYANTH D6A: Forensic Anthropology**

1. Brief history, development and scope of forensic Anthropology
2. Personal identification: dermatoglyphics and blood
3. Sex differences in skull and pelvis; estimation of stature from long bones and from foot and hand dimensions.
4. Age estimation using sutures, radiological age
5. Hair: ABO blood group determination from blood stain
6. Role of trace elements in forensic anthropology
7. Palaeopathology, trauma and taphonomy

**Module PHYANTH D6B: Epidemiology of Disease**

1. Introduction to epidemiology- Definition, Descriptive and analytic epidemiology, Uses of epidemiology
2. Concepts of disease occurrence
3. Public health surveillance- Purpose and characteristics of Public health surveillance
4. Prevention and control of infectious, chronic diseases and HIV/AIDS
5. Understanding etiology of a disease; determining change in trend over time; Measurements of health
6. Epidemic investigation and management

**Reading List:**

- Byers SN. 2007. Introduction to Forensic Anthropology. New York: Allyn and Bacon.
- Jurmain R, Nelson H, Kilgore L, Trevathan W. 1999, *Introduction to Physical Anthropology*. Belmont: Wadsworth.
- Klepinger LL. 2006. *Fundamentals of Forensic Anthropology*. New York: Wiley-Liss.
- Pickering R. 1996. *Use of Forensic Anthropology*. Boca Raton: CC Press.
- Poddar S, Bhagat A. 1987. *Handbook of Osteology*. Patna: Scientific Book Co.
- Remington PL, Brownson RC, and Wegner MV. (2010). *Chronic Disease Epidemiology and Control*. American Public Health Association.
- Lee LM. (2010). *Principles and Practice of Public Health Surveillance*. Oxford University Press
- Turnock B. (2011). *Essentials of Public Health*. Jones & Bartlett Publishers
- Merson M, Black RE, Mills A. (2006). *International Public Health: Diseases, Programs, Systems and Policies*. Jones & Bartlett Learning.
- Aschengrau A and Seage GR. (2008). *Essentials of Epidemiology in Public Health*. Boston, Massachusetts.

**Module PHYANTH D7A: Human Ecology and adaptation**

1. Concepts in Ecology: Definition, ecosensitivity adaptation, acclimation, acclimatization, biotic and abiotic component.
2. Methods of studying human ecology.
3. Adaptation to various ecological stresses; heat, cold, high altitude.
4. Ecological rules and their applicability to human populations.
5. Physical environment: the potential stressors, the nutritional stress, infections, diseases, modernization and human biological responses
6. The utility of anthropology in studying ethnicity and health
7. Ethnic factors in health and disease, ethnic differences in the prevalence of common diseases of complex aetiology: coronary heart disease (CHD), non-insulin dependent diabetes mellitus (NIDDM) and hypertension (HT); reproductive health and ethnic differences.

**Module PHYANTH D7B: Biological diversity in Human population**

1. Concept of Biological Variability; Race; Hardy-Weinberg Law; Sources of Genetic Variation; Genetic Polymorphism (Serological, Biochemical and DNA Markers); Human Adaptability – Adaptive Mechanisms determining the types of adaptation.
2. A critical appraisal of contribution of Risley, Guha, and Sarkar towards understanding ethnic elements in the Indian populations.
3. Pre and Proto historic racial elements in India. Linguistic classification of Indian population.
4. Role of Bio-cultural Factors- Cultural Biology; Bio-cultural factors influencing the diseases and nutritional status. Evolution of Human diet, biological perspectives of ageing process among different populations.

**Reading list:**

- Harrison GA, Weiner JS, Tanner JM, Barnicot NA. 1964. Human Biology: an Introduction to Human Evolution, Variation and Growth. London: Oxford University Press.
- Marieb EN. 2006. Human Anatomy and Physiology. Delhi: Pearson Education.
- Moran EF. 2007. Human Adaptability an Introduction to Ecological Anthropology. Colorado: Westview Press.
- Human ecology: biocultural adaptation in human communities. (2006) Schutkowski, H. Berlin. Springer Verlag.
- Human ecology and cognitive style: comparative studies in cultural and physical adaptation. (1976). Berry, J.B. New York: John Wiley.
- Human ecology. (1964) Stapledon. Faber & Faber.
- Studies in Human Ecology. (1961) Theodorson, G.A. Row, Peterson & Company Elmsford, New York.
- Human ecology: (1973) Problems and Solutions. Paul R. Ehrlich, Anne H. Ehrlich and John P. Holdress. W.H. Freeman & Company, San Francisco.
- Baker P.T. and J.S. Weiner (ed.) (1996) The Biology of Human Adaptability. Oxford & New York, Oxford University Press.

- Bhende A. and T. Kantikar (2006) Principles of Population Studies. Himalayan Publishing House, Mumbai
- Bogin B. (1999). Pattern of Human Growth. 2nd edition CUP.
- Cameron Noel and Barry Bogin (2012) Human Growth and development. Second edition, Academic Press Elsevier.
- Eckhardt R.B.(1979) The Study of Human Evolution. McGrand Hill Book Company, USA.
- Frisancho R. (1993) Human Adaptation and Accommodation. University of Michigan press
- Harrison G.A., Tanner, J.M., Pilbeam, D.R., Baker, P.T. (1988) Human Biology. Oxford University Press.

**COURSE: DSE-8 Physical Anthropology**

**Credit: 2 (Marks= 50)**

**Module PHYANTH D8A: Mating Patterns**

1. Mating and Marriage pattern
2. Random and Assortative mating (Positive and Negative Assortative mating)
3. Genetic aspects of consanguineous marriage and Inbreeding, Coefficient of Inbreeding
4. Homogamy and Isonomy.

**Module PHYANTH D8B: Hardy-Weinberg Law and Population Structure**

1. Principles of Genetic equilibrium- Hardy Weinberg equilibrium, Application of Hardy-Weinberg equilibrium.
2. Various methods in studying Population Structure- the Island model, isolation by distance model, Stepping Stone model.
3. Genetic distance: Sanghvi's  $G^2$  distance, Edward's  $D^2$  distance, Nei's genetic distance
4. Display methods- Cluster analysis, Dendrogram

**Reading List:**

- Barua Saumitra 2002. *Human Genetics: An Anthropological Perspective*. Kolkata: Classique
- Cavali-Sforza LL and Bodmer WF 1971. *The Genetics of Human Population*. San Francisco: WH Freeman & Co.
- Falconer, D. S. 1981, *Introduction to Quantitative Genetics*, New York: Longman.
- Gardner Eldon John, Simmons Michale J and Snustad D P 1991. *Principles of Genetics*. New York: John Willey & Sons.
- Stern Curt 1973. *Principles of Human Genetics*. San Fransisco: WH Freeman.
- Strickberger Monroe W 2003. *Genetics*. New Delhi: Prentice Hall.

**COURSE: DSE-9 Physical Anthropology (Practical)**

**Credit: 2 (Marks= 50)**

**Module PRPHYANTH D9A: Osteology and Osteometry**

1. Identification of bones including side determination: frontal, parietal, temporal, occipital, mandible, scapula, humerus, femur, tibia
2. Sex identification in pelvis.

3. Scapula: maximum length, maximum breadth, length and breadth of glenoid fossa; Humerus: maximum length, maximum diameter in middle; minimum diameter, girth in mid-shaft; Femur: maximum length, sagittal diameter of mid-shaft, transverse diameter of mid-shaft, girth of mid-shaft.

### **Module PRPHYANTH D9B: Craniometry, Somatometry and Body composition**

1. Craniometric measurements using craniogram: maximum cranial length, glabella-inion length, nasion-inion length, frontal chord, parietal chord, occipital chord, metopic angle, alveolar profile angle, facial profile angle, nasal profile angle
2. Somatometric measurements and indices: definition, landmarks, instruments, measurements and classification (where applicable):
  1. Measurements: height vertex; height tragus, height acromion; height radiale; height stylion; height dactylion; arm span; sitting height vertex; sitting height acromion; sitting knee height; biacromial breadth; waist breadth; hip breadth; total arm length; length of upper arm; length of forearm; hand length; hand breadth; length of foot; breadth of foot; neck girth; triceps skinfold; biceps skinfold
  2. Indices: relative span index; relative sitting height index; relative trunk index; relative biacromial index; body mass index
  3. Bio-electrical Impedance Analysis to assess body composition.
  4. Laboratory note book and viva-voce.

**COURSE: DSE-10 Physical Anthropology (Practical)**

**Credit: 2 (Marks= 50)**

### **Module PRPHYANTH D10A: Dermatoglyphics**

1. Dermatoglyphics: Finger dermatoglyphics: identification of finger pattern types: calculation of pattern intensity, Furuhashi's, Dankmeijer's indices; total finger ridge count; absolute finger ridge count.
2. Palmer dermatoglyphics: main line formula, termination of main lines; *atd* angle.

### **Module PRPHYANTH D10B: Blood Sugar, Hair and Genetics**

1. Determination of blood sugar
2. Blood pressure: measuring systolic and diastolic blood pressure with classification.
3. Taste ability to PTC: preparation of PTC solution, identification of taster and non-taster; threshold values.
4. Hair analysis: presence of medulla and diameter

5. ABO blood group determination: moist chamber method and cell suspension method
6. Laboratory note book and viva-voce

**COURSE: GE-1 *Fundamentals Anthropology-I***

**Credit: 4 (Marks= 100)**

**Module PHYANTH G1A: Introduction to Biological Anthropology**

1. History, development, aim and scope of Biological Anthropology, relationship with other sciences.
2. History and development of understanding human variation and evolutionary thought. Theories of evolution.
3. Human variation and evolution in ancient times pre-19th and post-19th Century.
4. Non human primates in relation to human evolution- Comparative anatomy and behaviour of human and non-human primates, Significance of non-human primate study in Biological Anthropology.
5. Criteria for human classification; Skin colour, hair, eye, nose, head and dermatoglyphics
6. Distribution and characteristics of three primary races of mankind: Caucasoid, Negroid, Mongoloid
7. Racial classification and contemporary groups of man: Danikar's, Dixon's, Haddon's, Hooton's and Eicksted's classification
8. Ethnic elements in Indian population: Risley's, Guha's and Sarkar's classification
9. Negrito racial element
10. UNESCO Statement on Race.

**Readings List**

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

**Module *SOCANTH G1B*: Introduction to Social Cultural Anthropology**

1. Anthropological perspective and orientation; Scope and relevance of Social Anthropology; Relationship of Social Anthropology with other disciplines.
2. Social fact; social action; social conflict; social system
3. Linguistic Anthropology: Language and culture, language and ethnicity, and language and identity

4. Approaches to the study of peasants – economic, political and cultural.
5. Ethnicity Issues: Tribal and peasant, movements; Identity issues
6. Caste system and changes.

### Readings List

- Beattie J. (1964). *Other Cultures*. London: Cohen & West Limited.
- Bernard H.R. (1940). *Research Methods in Cultural Anthropology*. Newbury Park: Sage Publications.
- Davis K. (1981). *Human Society*. New Delhi: Surjeet Publications.
- Delaney C. (2004). 'Orientation and disorientation' In *Investigating Culture: An Experiential Introduction to Anthropology*. Wiley-Blackwell.
- Ember C. R. et al. (2011). *Anthropology*. New Delhi: Dorling Kindersley
- Walker, A. (1986). *The Todas*. Delhi: Hindustan Publishing Corporation
- Elwin, Verrier (1992). *The Muria and their Ghotul*. Oxford University Press.
- Malinowski, B. (1922). *Argonauts of the Western Pacific*. London: Routledge and Kegan Paul Ltd.
- Furer-Haimendorf, C.V. (1939). *The Naked Nagas*. London: Methuen and Co.
- Evans-Pritchard, E.E. (1940). *The Nuer: A Description of the Modes of Livelihood and Political Institutions of a Nilotic People*. Oxford: Clarendon Press.
- Majumdar, D. N. (1950). *Affairs of tribes*. Lucknow: Universal Publishers Ltd.

**COURSE: GE-2 *Fundamentals Anthropology-II***

**Credit: 4 (Marks= 100)**

### Module PHYANTH G2A: Human growth and development

1. Principles of human growth and development- Concepts of human growth, Prenatal and Postnatal Growth, Growth Curves of Different Tissues and Different Parts of the Body
2. Methods and influencing factors of growth- Growth Gradients
3. Cycle of Malnutrition, Low birth weight
4. Factors affecting menarche and menopause
5. Assessment of nutritional status- Adults and child
6. Growth standards and references: NCHS, CDC and WHO-MRGS
7. Senescence and aging: theories of aging; effects of aging

### Reading List:

- Bogin Barry 1999. *Patterns of Human Growth*. Cambridge: Cambridge University Press.
- Carter JE Lindsey and Heath Barbara Honeyman 2005. *Somatotyping: Development and Application*. Cambridge: Cambridge University Press.
- Carter JEL 1980. *The Heath-Carter Somatotype Method 3<sup>rd</sup> edition*. San Diego: San Diego State University Syllabus Service.
- Jurmain Robert, Nelson Harry, Kilgore Lynn and Trevathan Wenda 2000. *Essentials of Physical Anthropology*. Belmont: Wadsworth Thompson Learning.
- Roche, A. F. 1992, *Growth, Malnutrition and Body Composition*, Cambridge: Cambridge University Press.

- Tanner JM 1990. *Foetus into Man: Physical Growth from Conception to Maturity*. Harvard: Harvard University Press.
- Tanner, J. M. 1962, *Growth of Adolescence*, Oxford: Blackwell.
- Thompson, J. 1980, *On Growth and Form*, Cambridge: Cambridge University Press.
- Ulijaszek, S. L. Johnston, F. E. and Preece, M. A. 1998, *The Cambridge Encyclopedia of Human Growth and Development*, Cambridge: Cambridge University Press.

## **SOCANTH G2B: Tribal Development, Programmes and Schemes**

1. Indebtedness, bonded labour and forms of tribal exploitation, low literacy, unemployment, underemployment, health and nutrition- the role of cooperatives and other financial institutions.
2. Impact of industrialization and urbanization.
3. Planning and Development: Education, house, health, roads and communication, agriculture etc.; Five Year Plans; CDP, SMPT Blocks, TD Blocks and Tribal Sub-Plans; IRDP, ITDP, TRIFED, LAMPS, other recent Government Plans, Policies and programmes, etc., forest policy; poverty alleviation programmes. Role of NGOs. Tribal leadership. Development and displacement.
4. Role of anthropology in tribal and rural development.

### **Reading List:**

- Chaudhuri, B. 1982. *Tribal Development in India: Problems and prospects*. New Delhi: Inter India, Publications.
- Chaudhuri, B. (2003), *Health, Forest and Development: The Tribal Situation*. New Delhi: InterIndia Publications.
- De, S. 2005, *Participatory Forest Management and Democratic Decentralisation in India: Focus On The Pioneer State*. Siliguri: N.L. Publishers.
- Fernandes, W. and Menon, G. 1987, *Tribal Women and Forest Economy: Deforestation and Status Change*. New Delhi: Indian Social Institute.
- Malhotra, R. 1992. *Anthropology of Development*. New Delhi: Mittal Publications.
- Majumder, D.N. 1936. *A tribe in Transition: A study in Culture Pattern*. London: Longmans Green & Company.
- Office of the Commissioner for Scheduled Caste and Scheduled Tribes. *Handbook on Scheduled Caste and Scheduled Tribes (Paper-I)*
- Roy, S.C. 1915. *The Oraons of Chhotanagpur*. Ranchi, Man in India Office Sachidananda and Singh, K.S. 1985. *Tribal Society in India*. New Delhi, Manohar.

## M.Sc Anthropology

### 4<sup>th</sup> Semester

**COURSE: ANTH-CT-401A Physical Anthropology**

**Credit: 1 (Marks= 25)**

#### **Module PHYANTH 1A4: Demography**

1. Definition and importance of demographic studies; sampling methods
2. Demographic methods: population census; NSSO; vital statistics or registration of vital events; population register.
3. Population theories of Malthus, Dumont and Sadler
4. Demographic transition
5. Fertility, fecundity and fertility rate
6. Mortality, morbidity
7. Migration: definition, causes and problems
8. Anthropological demography; palaeodemography.

#### **Reading List:**

- Barclay George W 1958. *Techniques of Population Analysis*. New York: John Willey & Sons.
- Bogue DJ 1969. *Principles of Demography*. New York: John Willey & Sons.
- Car Saunders A.M 1992. *The Population Problem: A Study in Human Evolution*. Oxford: The Clarendon Press.
- Cox Peter R 1990. *Demography 5<sup>th</sup> edition*. New Delhi: Universal Book.
- Harrison, G. A. and Boyce, A. J. 1972, *The Structure of Human Population*, Oxford: Clarendon
- Kertzner D. I. and Fricke T. 1997. *Anthropological Demography: Toward a New Synthesis*. Chicago: The University of Chicago Press.
- Raj Hans 1978. *Fundamentals of Demography*. Delhi: Surjeet Publication.
- Swedlund, A. C. and Armelagos, G. T., 1976, *Demographic Anthropology*, Dubuque: W. C. Brown.

**COURSE: ANTH-CT-401B Physical Anthropology**

**Credit: 1 (Marks= 25)**

#### **Module PHYANTH 1B4: Somatotyping**

1. Concept of Somatotype
2. Methods in the Assessment of Physique- Viola's Method, Kretschmer's Method, Sheldon's Method and Heath - Carter Method

#### **Module PHYANTH 1C4: Human Nutrition**

1. Nutritive and caloric value of foods, role of vitamins and minerals in human nutrition vitamins A, B, C, D, P and K; minerals: iron, calcium and zinc.
2. Effects of toxic elements (lead, arsenic, mercury and cadmium) on humans.



3. Assessment of nutritional status in man; anthropometric indicators, biochemical and trace element indicators of nutritional status.
4. Anaemia, iodine and zinc deficiency human populations.

**Reading List:**

- Eston, R. and Reilly, T. (Eds) 2001 Kinanthropometry and Exercise Physiology Laboratory Manual: Test, Procedures and Data. Volume 1: Anthropometry. Second edition, New York; Routledge press.
- Harrison, G.A., Tanner, J.M., Pilbeam, D.R. and Baker, P.T. 1964. Human Biology-An Introduction to Human Evolution, Growth and Adaptability. Third edition. New York; Oxford University Press.
- Malina, R.M., Bouchard, C. and Bar-Or, O. 2004. Growth, Maturation and Physical Activity. Second edition. Illinois; Human Kinetics.
- Carter, J.E.L and Heath, B.H. 1990. Somatotyping, Development and Applications. Cambridge; Cambridge University Press.
- Marieb EN. 2006. Human Anatomy and Physiology. Delhi: Pearson Education.
- Rennert OM, Chan WY, Chan W (eds.). 1984. Metabolism of Trace Metals in Man: Genetic Implications. Boca Raton: CRC Press.
- Roche, A. F. 1992, Growth, Malnutrition and Body Composition, Cambridge: Cambridge University Press.
- Wardlaw GM, Insel PM. 1996. Perspectives in Nutrition. Boston: Mosby

**COURSE: ANTH-CT-402A Social cultural Anthropology      Credit: 1 (Marks= 25)**

**Module SCANTH 2A4: Basic Concepts of Urban Anthropology**

1. Definition, Scope, Attributes
2. Characteristic features
3. Process of Urbanisation
4. Reasons for Rural to Urban Migration

**Module SCANTH 2B4:** Urbanisation in India 1. Reinforcement of Traditional Culture 2. Characteristics of Pre-Industrial Cities 3. Rate of Urbanisation 4. Consequence of Structural and Cultural Change.

**Module SCANTH 2C4:** Urbanisation and Industrialisation 1. Emerging Issues. 2. Development of Industrial Cities. 3. Industrial worker's Migration. 4. Constraints of Industrial City Life.

**Module SCANTH 2D4:** Urban Poor 1. Culture of Poverty. 2. Study on Slum. 3. Study on Beggars.

**Reading List:**

- Bharwava G. (Ed.) 1981 Urban Problems and Policy Perspectives, New Delhi: Abhinav Publ.
- Bose, A. 1974 India's Urbanisation, 1901-2001, New Delhi: Mittal Publications
- Chaudhuri S. 1987 Beggars of Kalighat, Calcutta: Anthropological Survey of India, Calcutta
- Chaudhuri S. 2008 Urbanization and Identity: Study on Megacities in India; New Delhi : Inter India Publications,

Desai, A. R. and S.D. Pillai 1970 Slums and Urbanisation , Bombay: University of Bombay  
Gore M. S. 1958 Society and Beggar, Sociological Bulletin, Vol.7 No. 1  
Ross, A. 1973 Hindu Family in its Urban Setting, Delhi, Oxford University Press  
Roy P. and Shangan Das Gupta 1995 Urbanisation and Slums, New Delhi: Har- Anand Publications,  
Sinha S.C. (Ed.) 1971 Culture Profile of Calcutta, Calcutta:The Indian Anthropological Society.

**COURSE: ANTH-CT-402B Social cultural Anthropology      Credit: 1 (Marks= 25)**

### **Module SCANTH 2E4: Tribal Development**

1. Classification and characteristics of tribal regions. Indian Tribes: Geographical distribution; racial and linguistic classification, economic avenues. 2. Tribal Policy: Colonial and post-colonial policies. Constitutional safeguards and provisions for scheduled tribes- reservation; administration of Scheduled Area (Fifth Schedule), and Tribal Areas (Sixth Schedule). 3. Strategies of Economic Development of Indian Tribes: Forest, forest policy, Acts and regulation; shifting cultivation, tribal agriculture- land holdings- land rights- land alienation, adoption of modern agricultural technology; allied economics- fishing and hunting; pastoralism; village and cottage industries, tribal crafts.

Chaudhuri, B. 1982. Tribal Development in India: Problems and prospects. New Delhi: Inter India, Publications.

Chaudhuri, B. (2003), Health, Forest and Development: The Tribal Situation. New Delhi: InterIndia Publications.

De, S. 2005, Participatory Forest Management and Democratic Decentralisation in India: Focus On The Pioneer State. Siliguri: N.L. Publishers.

Fernandes, W. and Menon, G. 1987, Tribal Women and Forest Economy: Deforestation and Status Change. New Delhi: Indian Social Institute.

Malhotra, R. 1992. Anthropology of Development. New Delhi: Mittal Publications.

Majumder, D.N. 1936. A tribe in Transition: A study in Culture Pattern. London: Longmans Green & Company.

Office of the Commissioner for Scheduled Caste and Scheduled Tribes. Handbook on Scheduled Caste and Scheduled Tribes (Paper-I)

**COURSE: ANTH-CD-403 Dissertation (Physical Anthropology/ Social cultural Anthropology)      Credit: 3 (Marks= 75)**

**PRANTH 3A4:** Collect data on any topic and write a report for evaluation

***DSE***  
**GROUP-A**

**COURSE: DSE-11 Social Cultural Anthropology**

**Credit: 2 (Marks= 50)**

**Module SCANTH D11A: Demography and Anthropology: Concepts and Theories**

1. Definition and Concept of Demography, History of Population Studies; Nature, Scope, Phases and Categories of Demography; Importance of Demography in Social-Cultural Anthropology.
2. Population theories- Malthusian theory, Theories of Optimum Population, Theory of Demographic Transition (O.P. Walker's and Karl Marx), Social and Economic theories (Dumont, Carr Saunders, Karl Marx).
3. Fundamental concepts - Still birth, Live birth, Foetal death, Child death, Family size, Parity, Birth order, Fertility and Fecundity, Mortality and Morbidity.

**Module SCANTH D11B: Fertility and Mortality**

1. Concept and definition, Factors affecting Fertility, Fertility Rates and Ratios- CBR, GFR, ASFR, TFR, GRR. 2. Mortality analysis: Concept and definition, Factors affecting Mortality, Mortality Rates and Ratios- CDR, ASDR, Cause Specific Death Rates.

**Module SCANTH D11C: Migration**

1. Definition, Historical Background, Reasons, Type of Migration. 2. Migration Stream, Migration Interval, Place of Origin and Place of Destination, Migrant. 3. Factors of Migration, Consequence of Migration. 4. Methods of Measuring Migration, Effects of Migration.

**Reading List**

- Agarwal, S.N. 1960. Indian Population, Bombay: Asia pub.
- House Baker, P.T. and Sanders W.T. 1972 Demographic Studies in Anthropology, Annual Review of anthropology.
- Banerjee, D. 1971 Family Planning in India-Problems and Prospects, People Publ. House
- Chandra Sekhar, S. 1951 India's Population- Facts and Policy; Princeton : Princeton Univ. Cox, Peter, R. 1979 Demography (5th ed.); New Delhi :Vikash pub. House,
- Lorimer F. 1954 Culture and Fertility, UNESCO, Paris
- Nag Mani 1979 Factors Affecting Human Fertility on non-Industrial Society- A Cross Cultural Study, Yale Univ. Publishing.
- Raj Hans 1996 Fundamentals of Demography, New Delhi: Surajeet Publications,

### **Module SCANTH D11D: Basic Concepts of Human Rights**

1. Definition, Attributes, Scope, Significance, Origin. 2. Characteristic feature of Human Rights with special reference to South-East Asian Countries. P.G. Syllabus in Anthropology under CBCS Page 57

### **Module SCANTH D11E: Contextual Background of Human Rights**

1. International Declaration of Human Rights, 2. Promotion of Human Rights.

### **Module SCANTH D11F: Indigenous Rights and Other Issues**

1. Environmental Rights, Indigenous Rights, Intellectual Property Rights, Cultural Rights.  
2. Women Rights, Child Rights. 3. Health Rights, Poverty and Human Rights.

### **Module SCANTH D11G: Emerging Consequences and Implementations**

1. Protection and Violation of Human Rights. 2. Conflict and Conflict Resolutions. 3. Ethnicity, Insurgencies, Ethnic Violence and Human Rights

#### **Reading List:**

Amensty International 1984 File on Torture, London

Chauhan S.R. and N.S. Chauhan 2006 International Dimension of the Human Rights (Vol.1-3),  
New Delhi : Global Vision Publishing House,

Claude, Richard Pierre and B.H. Weston (eds.) 1992 Human Rights in the World Community:  
Issues and Action, Philadelphia, PA, USA University of Pennsylvania Press Crenshaw,

Martha and John Pimlott (eds.) 1997 Encyclopedia of World Terrorism, Armonk, New York,  
Sharp Reference Mann, Jonathan, (et al.) 1994 Health and Human Rights, Health and Human  
Rights I, No.1 pp-6- 23

Thorne, Melissa 1991 Establishing Environment as a Human Right. Denver Journal of  
International Law and Policy pp 301-342 UNICEF 1991 International Child Development  
Centre, The Convention: Child Rights and UNICEF Experience at the country Level,  
Florence, Italy United Nations 1990 Application of the International Standards concerning  
the Human Rights of Detained Juveniles, New York

**COURSE: DSE-12 Social Cultural Anthropology**

**Credit: 2 (Marks= 50)**

### **Module SCANTH D12A: Environment, Development and Culture of Peace - I**

1. Environment and Ecology: Concept of environment, ecology, social ecology, cultural ecology. Relation among society, nature and culture. Tribal socio-cultural system and environment; totem and environment; and role of nature in tribal festivals. 2. Environmental Issues: Environmental degradation; environmental and manmade problems pollution, floods, soil erosion, landslide, earthquakes, etc. and its socio-economic consequences. Anthropology of disaster management.

### **Reading List**

- Benedict, R. 1934. *Patterns of Culture*. New York: Houghton Mifflin.
- Berremen, G.D. 1979: *Caste and Other Inequalities* Meerut Folklore Institute.
- Beteille, Andre (ed.). 1969: *Social Inequality*. London: Penguin Books.
- Beteille, Andre 1971: *Inequality among Men*. Delhi: Oxford University Press.
- Beteille, Andre 1983: *The Idea of Natural Inequality and Other Essays*. Delhi: Oxford University Press
- Chaudhuri, B. & A. K. Maiti (eds.) (1989), *Forest and Forest Development in India*. New Delhi: Inter India Publications.
- Chaudhuri, B. (1990), *Culture and Environmental Dimension on Health*. New Delhi: Inter India Publications.
- Chaudhuri, B. (2003), *Health, Forest and Development: The Tribal Situation*. New Delhi: InterIndia Publications.
- Chauhan, I.S. & A. Chauhan. 1998, *Environmental Degradation*, Jaipur: Rawat Publications.
- Divan, S. & A. Rosencranaz, 2007 *Environmental Law and Policy in India*. New Delhi: Oxford University Press
- Fernandes, W. and Menon, G. 1987, *Tribal Women and Forest Economy: Deforestation and Status Change*. New Delhi: Indian Social Institute

### **Module SCANTH D12B: Environment, Development and Culture of Peace - II**

1. Environment, People and Natural resources: Environmental degradation/hazards and human impact on the natural environment- displacement, rehabilitation and resettlement; deforestation and afforestation; resource depletion and over exploitation of natural resources political disturbances, migration and adaptation, culture in conflicts, regionalism, identity crisis, social disorganization, ethnicity, ethnic conflicts/violence, unrest among tribal communities. 2. Contribution of anthropology to the understanding of human insecurity, inequality, violation of basic human rights, regionalism, communalism and ethnic and political movements. 3. Development and Environment, Harmony and Conflict: Nature and culture, human security, inequality to equality, cultural clash– conflict resolution and peace; development and environment – harmony and conflict, the issue of sustainable development.

### **Reading List**

- Benedict, R. 1934. *Patterns of Culture*. New York: Houghton Mifflin.
- Berremen, G.D. 1979: *Caste and Other Inequalities* Meerut Folklore Institute.
- Beteille, Andre (ed.). 1969: *Social Inequality*. London: Penguin Books.
- Beteille, Andre 1971: *Inequality among Men*. Delhi: Oxford University Press.
- Beteille, Andre 1983: *The Idea of Natural Inequality and Other Essays*. Delhi: Oxford University Press
- Chaudhuri, B. & A. K. Maiti (eds.) (1989), *Forest and Forest Development in India*. New Delhi: Inter India Publications.
- Chaudhuri, B. (1990), *Culture and Environmental Dimension on Health*. New Delhi: Inter India Publications.
- Chaudhuri, B. (2003), *Health, Forest and Development: The Tribal Situation*. New Delhi: InterIndia Publications.
- Chauhan, I.S. & A. Chauhan. 1998, *Environmental Degradation*, Jaipur: Rawat Publications.

Divan, S. & A. Rosencranaz, 2007 Environmental Law and Policy in India. New Delhi: Oxford University Press Fernandes,  
W. and Menon, G. 1987, Tribal Women and Forest Economy: Deforestation and Status Change. New Delhi: Indian Social Institute

***DSE***  
**GROUP-B**

**COURSE: DSE-11 Physical Anthropology**

**Credit: 2 (Marks= 50)**

**Module PHYANTH D11A: Advanced forensic anthropology**

1. Dermatoglyphics: Application of Dermatoglyphics in crime investigation, including personal identification from finger prints. Latent prints: methods of development and identification; elementary method of classification in Fingerprint Bureau. Fingerprint collection, analysis and comparison
2. Footprints: Collection, analysis and comparison
3. Hair: Morphology of hair, distinction between human and animal hair.
4. Differentiation of scalp, body and pubic hair.
5. Forensic serology: Nature of human blood; identification of blood stain and determination of its species and blood group; identification of seminal stains.

**Module PHYANTH D11B: Palaedemography**

1. Demography of early human population—Palaeopathology-traumatism, malformation and non-specific osteological variables (i.e. osteoarthritis, spondylitis, rickets, symmetrical osteoporosis and tumors), dental pathology.
2. Palaedemography – skeletal analysis and determination of demographic variable in Prehistoric populations (i.e., migration, fertility, morbidity and mortality) and post-neolithic population growth.

**Reading List:**

Bayers, S.N.(2004). Introduction to Forensic Anthropology: A Textbook 2nd Ed. Boston: Allyn and Bacon.

Burns K.R. (2007). Forensic Anthropology Training Manual 2nd Ed. New Jersey: Prentice Hall Inc.

Cummins H. and Midlo, C. (1961). Fingerprints, Palm and Sole – An Introduction to Dermatoglyphics. New York: Dover

Brace, C.L. and Montagu, M.F.A. (1977). Human Evolution: An Introduction to Biological Anthropology (Macmillian Company, New York)

Buttner Janusch, J. (1980). Origins of Man, New York: John Wiley.

Kennedy, G.E. (1980). Palaeoanthropology. McGraw Hill, New York.

Poirier, F.E. (1981). In Search of Ourselves: An Introduction to Physical Anthropology. Burgess Publishing Company, Minneapolis Minnesota.

**COURSE: DSE-12 Physical Anthropology (Practical)**

**Credit: 2 (Marks= 50)**

**Module PRPHYANTH D12A: Biostatistics**

1. Frequency distributions of qualitative, discontinuous and continuous variables; graphs: bar, pie chart, histogram and polygon.
2. Descriptive statistics: measures of dispersion; range, standard deviation; co-efficient of variation.
3. Sampling: definition and uses; types of sampling: random, stratified.
4. Probability
5. Hypothesis testing: principles of hypothesis testing, errors in hypothesis testing, hypothesis testing with z scores, one and two tail hypothesis tests, hypothesis testing with t distribution.
6. Differences between two means: un-paired and paired t test, analysis of variance (ANOVA).
7. Non-parametric comparison of samples: Mann-Whitney U test.
8. Regression and correlation analysis: Pearson coefficient; regression equation.
9. Chi-square test for goodness-of-fit and independence of association, Yates correction.

**COURSE: GE-3 Fundamentals Anthropology-III**

**Credit: 4 (Marks= 100)**

**Module PHYANTH G3A: Primatology and Human Evolution**

1. Primate evolution with special reference to skull, jaws, dentition, brain and foot.
2. Development of primate speech
3. Primate behaviour: basic concepts; behaviour of chimpanzee and baboon
4. Comparative anatomy of human and non-human primates.
5. Primates in biomedical research
6. Early Fossil Primates and their Evolution
7. Theories of human evolution: "Out-of-Africa" model and Multi-regional model
8. Fossil finds: Java, Choukoutain, La-Chapelle-aux-Saints, Cro-Magnon
9. Transitional finds: Kabwe, Steinheim, Swanscombe.

**Reading List:**

- Nelson H, Jurmain R. 1985. *Introduction to Physical Anthropology*. San Francisco: West Publishing Company.
- Campbell BJ. 1985. *Human Evolution: An Introduction to Man's Adaptations*. New York: Aldine.
- Campbell CJ, Bearder S, Agustin F. (eds.) 2006. *Primates in Perspective*. London Oxford University Press.
- Conroy GC. 1997. *Reconstructing Human Origins ---- A Modern Synthesis*. New York: W.W.Norton and Company.

Day MH. 1986. *Guide to Fossil Man*. Chicago: University of Chicago Press,  
Jurmain R, Nelson H, Kilgore L, Trevathan W. 1999. *Introduction to Physical Anthropology*. Belmont: Wadsworth.

### **Module SCANTH G3B: Visual Anthropology**

1. Introduction to Visual Anthropology. Visual Culture. Photographic and Digital Media: Still, Interactive and Moving.
2. Theory and Representation. Anthropology and Images: Ethnophotography and ethnographic films and mass media. Theories of representation, modern media and political advocacy.
3. 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'.
4. Ethnographic Photography: Conventions and Methodologies. Paradigms and Debates.
5. Ethnographic Films: Theoretical issues concerning ethnographic film, ethical dimensions of ethnographic film, Interdependency of technology and culture.
6. Cinema Studies with emphasis on key feature, documentary and ethnographic films with a focal theme - the examination of the 'language of film'.

#### **Reading List:**

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 Kindersley. [Unit II, III, IV (Page: 282-321, 430-438, 464, 469-471)]
6. Banks M. and Ruby J. (2011). *Made to 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]

**COURSE: GE-4 Fundamentals Anthropology-IV**

**Credit: 4 (Marks= 100)**

### **Module PHYANTH G4A: Human variation and Human genetics**

1. Dermatoglyphics
2. Blood groups and Haemoglobin variants
3. Genetic variation in red cell enzymes
4. Genetic variation in plasma proteins: Hp, Tf



5. Changes in gene frequencies: Mutation, Gene flow, Genetic drift, Selection
6. Abnormalities of human chromosomes
7. Mendelian inheritance in man
8. Polygenic inheritance in man
9. Genetic screening and genetic counselling

**Reading List:**

- Barua Saumitra 2002. *Human Genetics: An Anthropological Perspective*. Kolkata: Classique Books.
- Vogel, F. and Motulsky, A. G., 1986, *Human Genetics: Problems and Approaches*, Berlin: Springer Verlag.
- Sukla B.R.K. and Rastoi Sudha; 2018. *Physical Anthropology and human genetics - An introduction*. Palaka Prakashan, Delhi.
- Gardner Eldon John, Simmons Michale J and Snustad D Peter 1991. *Principles of Genetics*. New York: John Willey & Sons.
- Harper, P. S. 1998, *Practical Genetic Counseling*, Oxford: Butter worth Heinemann.
- Klug WS and Cummings MR 1999. *Essentials of Genetics* New Jersey: Prentice Hall.
- Lewis Richi 2003. *Human Genetics: Concepts and Applications* Boston: WCB McGraw Hill.
- Rothwell, N. V., 1978, *Human Genetics*, New Delhi: Prentice Hall Pvt. Ltd.
- Thompson, J. S. and Thompson, M. W. 1968, *Genetics in Medicine*, Philadelphia: W. B. Saunders.

**Module SCANTH G4B Anthropology of Tourism**

1. Tourism- aspects and prospects, anthropological issues and theoretical concerns, tourist as ethnographer; pilgrimage and Authenticity Issues
2. 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
3. Implications of tourism as a major mechanism of cross-cultural interaction; role of symbolism, semiotics, and the imagination in tourism; tourism and the commodification of culture or cultural degradation
4. 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
5. New Directions in the Anthropology of Tourism: Globalization, Tourism and Terrorism; applied aspects of anthropology in tourism development and planning.

**Reading List**

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.

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