

ASSAM UNIVERSITY: SILCHAR



UNDERGRADUATE (B.A/B.Sc.) SYLLABUS

UNDER CHOICE BASED CREDIT SYSTEM

ANTHROPOLOGY (HONOURS AND GENERAL)

B.A/B. Sc. HONOURS (ANTHROPOLOGY)

	CORE COURSE (14)	Ability Enhancement Compulsory Course (AECC) (2)	Ability Enhancement Elective Course (AECC) (2) (Skill Based)	Elective Discipline Specific DSE (4)	Elective Generic (GE) (4) To be taken from other discipline
I	ANTHROPOLOGY -C-101 ANTHROPOLOGY -C-102	English/Hindi/MIL Communication			GE-1
II	ANTHROPOLOGY -C-201 ANTHROPOLOGY -C-202	Environmental Science			GE-2
III	ANTHROPOLOGY -C-301		ANTHROPOLOGY - SEC-301		GE-3
	ANTHROPOLOGY -C-302				
	ANTHROPOLOGY -C-302				
IV	ANTHROPOLOGY -C-401		ANTHROPOLOGY - SEC-401		GE-4
	ANTHROPOLOGY -C-402				
	ANTHROPOLOGY -C-402				
V	ANTHROPOLOGY -C-501			ANTHROPOLOGY - DSE-501	
	ANTHROPOLOGY -C-502			ANTHROPOLOGY - DSE-502	
VI	ANTHROPOLOGY -C-601			ANTHROPOLOGY - DSE-601	
	ANTHROPOLOGY -C-602			ANTHROPOLOGY - DSE-602	

SCHEME FOR CHOICE BASED CREDIT SYSTEM IN
B. A./B.Sc. with ANTHROPOLOGY

	CORE COURSE (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Discipline Specific Elective DSE (6)
I	ANTHROPOLOGY -DSC-101 DSC- 2A DSC- 3A	English/Hindi/MIL Communication		
II	ANTHROPOLOGY -DSC-201 DSC- 2 B DSC- 3 B	Environmental Science		
III	ANTHROPOLOGY -DSC-301 DSC- 2 C DSC- 3 C		ANTHROPOLOGY -SEC-301	
IV	ANTHROPOLOGY -DSC-401 DSC- 2 D DSC- 3 D		ANTHROPOLOGY -SEC-401	
V			ANTHROPOLOGY -SEC-501	ANTHROPOLOGY -DSE-501 DSE-2 A DSE-3 A
VI			ANTHROPOLOGY -SEC-601	ANTHROPOLOGY -DSE-601 DSE-2 B DSE-3 B

SCHEME FOR CHOICE BASED CREDIT SYSTEM IN

B. A./B.Sc. with ANTHROPOLOGY

	CORE COURSE (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Discipline Specific Elective DSE (6)	Generic Elective (2) From disciplines other than core
I	English -I	English/Hindi/MIL Communication			
	ANTHROPOLOGY -DSC-101				
	DSC- 2A				
II	English -II	Environmental Science			
	ANTHROPOLOGY -DSC-201				
	DSC- 2 B				
III	MIL-I		ANTHROPOLOGY -SEC-301		
	ANTHROPOLOGY -DSC-301				
	DSC- 2 C				
IV	MIL-II		ANTHROPOLOGY -SEC-401		
	ANTHROPOLOGY -DSC-401				
	DSC- 2 D				
V			ANTHROPOLOGY -SEC-501	ANTHROPOLOGY -DSE-501	GE1
				DSE-2 A	
				DSE-3 A	
VI			ANTHROPOLOGY -SEC-601	ANTHROPOLOGY -DSE-601	GE2
				DSE-2 B	
				DSE-3 B	

Semester wise list of Anthropology papers to be studied by Anthropology (H) student

SEMESTER	COURSE OPTED	COURSE NAME	CREDITS
I	ANTHRO C-101	Introduction to Anthropology	6
	ANTHRO C-102	Introduction to Biological Anthropology	6
II	ANTHRO C-201	Introduction to Socio-Cultural Anthropology	6
	ANTHRO C-202	Anthropology Practical –I (Biological, Cultural and Archaeological)	6
III	ANTHRO C-301	Archaeological Anthropology	6
	ANTHRO C-302	Primitive Economy and Religion	6
	ANTHRO C-303	Biological Diversity in Human Populations	6
	ANTHRO SEC-301	Public Health and Epidemiology	4
IV	ANTHRO C-401	Human Growth and Development	6
	ANTHRO C-402	Anthropology Practical-II (Biological, Archaeological and Museum Methods)	6
	ANTHRO C-403	Research Methods	6
	ANTHRO SEC-401	Tourism Anthropology	4
V	ANTHRO C-501	Human Population Genetics	6
	ANTHRO C-502	Anthropology in Practice	6
	ANTHRO DSE -501	Advanced Archeology	6
	ANTHRO DSE -502	Tribal Cultures of India	6
VI	ANTHRO C-601	Applied Physical Anthropology	6
	ANTHRO C-602	Anthropology of India	6
	ANTHRO DSE-601	Indian Archaeology	6
	ANTHRO DSE-602	Dissertation/ Project Work	4

Semester wise list of Anthropology Generic Elective papers for students taking Honours in other disciplines

SEMESTER	COURSE OPTED	COURSE NAME	CREDITS
I	ANTHRO GE-101	Introduction to Anthropology	6
II	ANTHRO GE-201	Anthropology Practical –I (Biological, Cultural and Archaeological)	6
III	ANTHRO GE-301	Introduction to Socio-cultural Anthropology	6
IV	ANTHRO GE-401	Archaeological Anthropology	6

Semester wise list of Anthropology papers to be studied by a B.A/B.Sc. student with Anthropology

SEMESTER	COURSE OPTED	COURSE NAME	CREDITS
I	ANTHRO DSC-101	Introduction to Anthropology	6
II	ANTHRO DSC-201	Anthropology Practical –I (Biological, Cultural and Archaeological)	6
III	ANTHRO DSC-301	Introduction to Socio-Cultural Anthropology	6
	ANTHRO SEC-301	Human Ecology: Biological and Cultural Dimensions	6
IV	ANTHRO DSC-401	Archaeological Anthropology	6
	ANTHRO SEC-401	Anthropology Practical –I I (Biological, Cultural and Archaeological)	6
V	ANTHRO SEC -501	Applied Physical Anthropology	6
	ANTHRO DSE -501	Advanced Archeology	6
VI	ANTHRO SEC-601	Dissertation/ Project Work	6
	ANTHRO DSE-601	Indian Archaeology	6

SYLLABI FOR CORE COURSE PAPERS

Semester I

ANTHRO C-101: INTRODUCTION TO ANTHROPOLOGY

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

This course introduces the students about the meaning, scope, history and branches of anthropology and its relationship with allied disciplines. This course also introduces on fundamentals in physical, archaeological and socio-cultural anthropology.

Unit I: Fundamentals in Anthropology

1. Meaning, scope and history of Anthropology
2. Branches of Anthropology
3. Relationship among various branches of Anthropology
4. Relationship of Anthropology with allied disciplines

Unit II: Fundamentals in Physical Anthropology- I

1. Meaning, scope and branches of Physical Anthropology
2. Modern trends in Physical Anthropology
3. General study of Human Skeleton

Unit III: Fundamentals in Physical Anthropology-II

1. Man's place in animal kingdom
2. Mammals: Characteristics and classification
3. Primates: Characteristics and classification

Unit IV: Fundamentals in Archaeological Anthropology

1. Meaning and scope of Prehistoric Archaeology
2. Concept of Prehistory, Proto history, History
3. Relationship of Archaeology, Palaeoanthropology and Ethno-archaeology
4. Relationship of Prehistoric Archaeology with other branches of Anthropology

Unit V: Fundamentals in Socio-Cultural Anthropology

1. Meaning, scope and branches of Socio-cultural Anthropology
2. Modern trends in Socio-Cultural Anthropology
3. Culture: Concept and characteristics
4. Society: Concept and characteristics

Suggested Readings

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

ANTHRO C-102: INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

This course introduces the students about the history and development of Biological Anthropology, scope of Biological Anthropology and its relationship with allied disciplines. This course also introduces about human evolution, primate studies and race.

Unit I: Evolution

1. Concept of organic evolution
2. Theories of organic evolution- Lamarckism, Darwinism, Mutation theory and Synthetic theory

Unit II: Living Primates

1. Distribution and salient features : Tarsiformes, Lemuriformes, Lorisiformes, Platyrrhine and Catarrhine
2. Relationship of man with primates

Unit III: Living Anthropoid Apes

1. Distribution and salient features : Gibbon, Orangutan, Chimpanzee and Gorilla
2. Comparative anatomy of man and apes

Unit IV: Hominid Evolution

1. Fossil evidences of human evolution
2. Australopithecus africanus, Homo erectus, Neanderthal, Cro-Magnon
3. Evolutionary changes in human skeleton with special reference to skull, vertebral column, pelvis, femur and foot

Unit V: A. Race

1. Concept of race, genetic basis of race
 2. UNESCO's statement on race
 3. Racial criteria: Skin colour, Stature, ABO blood groups
- B. Human Genetics
1. Meaning, scope and major branches of human genetics
 2. Mendelian Principles
 3. Concept of gene chromosome, DNA, RNA

Suggested Readings

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

SEMESTER II

ANTHRO C-201: INTRODUCTION TO SOCIO-CULTURAL ANTHROPOLOGY

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

This course introduces the students to the nature, scope, branches, of socio-cultural anthropology as well as concept of society and culture as well as social institutions and political organization.

Unit I: Basic Concepts

1. Culture, Society, community, civilization
2. Status and role, Groups and Institutions, Social Stratification
3. Social fact, Social action, social conflict

Unit II: Culture

1. Aspects of culture: Material and non-material
2. Components of culture: Culture traits, culture complex and culture area
3. Cultural Processes: Enculturation, transculturation, contraculturation and acculturation

Unit III: Social Institutions

1. Marriage: Definition and characteristics, modes of mate selection, types and forms of marriage, marriage related practices
2. Family: Definition and characteristics, types, functions

Unit IV: Social Institutions and Groups

1. Kinship: Definition, characteristics and types; descent, types of descent, inheritance and succession; kinship terminology; kinship usages
2. Kinship based groups: Lineage and clan- definitions, characteristics, types and functions

Unit V: Property and Political Organization

1. Concept and types of property in simple societies, inheritance of property
2. Concept and types of political organizations in simple societies, concept of power and authority

Suggested Readings

1. Beattie J. (1964). *Other Cultures*. London: Cohen & West Limited.
2. Bernard H.R. (1940). *Research Methods in Cultural Anthropology*. Newbury Park: Sage Publications.
3. Davis K. (1981). *Human Society*. New Delhi: Surjeet Publications.
4. Delaney C. (2004). 'Orientation and disorientation' In *Investigating Culture: An Experiential Introduction to Anthropology*. Wiley-Blackwell.
5. Ember C. R. et al. (2011). *Anthropology*. New Delhi: Dorling Kindersley.
6. Ferraro G. and Andreatta S. (2008). In *Cultural Anthropology: An Applied Perspective*. Belmont: Wadsworth.
7. Karen O'reilly. (2012). 'Practical Issues in Interviewing' *Ethnographic Methods*. Abingdon: Routledge
8. Lang G. (1956). 'Concept of Status and Role in Anthropology: Their Definitions and Use. *The American Catholic Sociological Review*. 17(3): 206-218
9. O'reilly K. (2012). *Ethnographic Methods*. Abingdon: Routledge.

10. Parsons T. (1968). *The Structure of Social Action*. New York: Free Press
11. Rapport N. and Overing J. (2004). *Key Concepts in Social and Cultural Anthropology*. London: Routledge.
12. Royal Anthropological Institute of Great Britain and Ireland (1971). *'Methods' In Notes and Queries on Anthropology*. London: Routledge & Kegan Paul Ltd.

ANTHRO C-202: ANTHROPOLOGY PRACTICAL –I
(BIOLOGICAL, CULTURAL AND ARCHAEOLOGICAL)

Contact Hours: 90

Full Marks = 100 [End Semester Exam Theory (50) Internal Assessment (20) Practical (30)]

Pass Marks = 40 [End Semester Exam Theory (20) Internal Assessment (08) Practical (12)]

A. Biological Anthropology

(Marks: 40)

Somatometry:

1. Maximum head length
2. Maximum head breadth
3. Maximum bizygomatic breadth
4. Bigonial breadth
5. Nasal length
6. Nasal breadth
7. Morphological facial height
8. Morphological upper facial height
9. Head circumference
10. Stature
11. Sitting height
12. Body weight

Indices: Cephalic index, Nasal index

Somatoscopy:

1. Head form
2. Hair form
3. Facial form
4. Eye form
5. Nose form
6. Hair colour
7. Eye colour
8. Skin colour

Craniometry:

1. Maximum cranial length
2. Maximum cranial breadth
3. Greatest occipital breadth
4. Maximum bizygomatic breadth
5. Maximum bigonial breadth
6. Maximum frontal breadth
7. Minimum frontal breadth
8. Nasal height
9. Nasal breadth
10. Bi-mastoid breadth

Indices: Cranial index, Nasal index

Osteometry: Measurements of long bones: lengths, minimum/least circumference

B. Cultural Anthropology

(Marks: 30)

Technology

1. Introduction: Objectives of technology practical
2. Identification of technological specimens.
3. Description, Methods of manipulation, purpose of uses and place where found and people who use them: a) hunting and warfare implements, b) fishing implements, c) agricultural implements, d) implements for preservation and transportation.

C. Archaeological Anthropology

(Marks: 30)

Typo-technological Analysis of Prehistoric Tools: Identification, Interpretation and Drawings of the tool Types

1. Core Tool Types
2. Flake Tool Types
3. Blade Tool Types
4. Microlithic Tool Type
5. Neolithic Tool Type

Suggested Readings

1. Jurmain R., Kilgore L., Trevathan W., Ciochon R.L. (2012). *Introduction to Physical Anthropology*. Wadsworth Publ., USA
2. Kroeber A. L. (1948). *Anthropology*. Oxford & IBH Publishing Co., New Delhi.

3. Stanford C., Allen J.S. and Anton S.C. (2010). Exploring Biological Anthropology. The Essentials. Prentice Hall Publ, USA.
4. Statement on Race: Annotated Elaboration and Exposition of the Four Statements on Race (1972). Issued by UNESCO. Oxford University Press.
5. Buettner-Janusch, J. (1966). *Origins of Man: Physical Anthropology*. John Wiley & Sons, Inc., New York, London, Sydney.
6. Conroy, G.C. (1997). *Reconstructing Human Origins: A Modern Synthesis*. W. W. Norton & Company, New York, London.
7. Howell F.C. (1977). *Horizons of Anthropology*. Eds. S. Tax and L.G. Freeman, Aldine Publishing House, Chicago.
8. Nystrom P. and Ashmore P. (2011). *The Life of Primates*. PHI Learning Private Limited, New Delhi.
9. Seth P. K. and Seth S. (1986). *The Primates*. Northern Book Centre, New Delhi, Allahabad.
10. Singh I. P. and Bhasin M.K. (1989). *Anthropometry: A Laboratory Manual on Biological Anthropology*. Kamla-Raj Enterprises, Chawri Bazar, Delhi.
11. Standford C.; Allen J.S. and Anton S.C. (2012). *Biological Anthropology: The Natural History of Mankind*. PHI Learning Private Limited, New Delhi.
12. Swindler D. R. (2009). *Introduction to the Primates*. Overseas Press India Pvt. Ltd., New Delhi.
13. Jurmain R., Kilgore L., Trevathan W., Ciochon R.L. (2012). Introduction to Physical Anthropology. Wadsworth Publ., USA
14. Kroeber A. L. (1948). Anthropology. Oxford & IBH Publishing Co., New Delhi.
15. Stanford C., Allen J.S. and Anton S.C. (2010). Exploring Biological Anthropology. The Essentials. Prentice Hall Publ, USA.
16. Statement on Race: Annotated Elaboration and Exposition of the Four Statements on Race (1972). Issued by UNESCO. Oxford University Press.

SEMESTER III

ANTHRO C-301: ARCHAEOLOGICAL ANTHROPOLOGY

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

This course introduces the students to the methods in prehistoric archaeology and geochronology of Pleistocene epoch. The course also gives knowledge on Prehistoric tool typology and technology and classification of Prehistoric cultures.

Unit I: Methods of Studying Prehistoric Archaeology

1. Geological (stratigraphical)
2. Paleontological
3. Archaeological (Typological)

Unit II: Methods of Estimation of Time and Reconstruction of the Past

1. Absolute dating methods
2. Relative dating methods

Unit III: A. Geochronology of Pleistocene Epoch

1. Geological time scale
 1. Glacial and interglacial
 2. Pluvial and interpluvial
 3. Different types of geo-climatic events
- B. Evidences of Prehistoric Culture
 4. Artifacts, industry, assemblage
 5. Culture and Civilization

Unit IV: Prehistoric Tool Typology and Technology

1. Core, flake, blade and bone tool industry
2. Lithic technology: percussion, pressure flaking, grinding and polishing

Unit V: Cultural Chronology

Three age system

1. Stone age
2. Copper/ Bronze age
3. Iron age

Suggested Readings

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

ANTHRO C-302: PRIMITIVE ECONOMY AND RELIGION

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment(30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

The course provides an overview of fundamental economic and religious institution as well as basic concept of understanding and explaining these institutions.

Unit I: Primitive Economy

1. Concept of primitive economy: its comparison with modern economy
2. Primitive economic activities: food gathering, hunting and fishing
3. Types of primitive economy: their food producing economy, pastoralism and agriculture

Unit II: Primitive Economy and Social life

1. Socio economic life of food gatherers.
2. Socio economic life of food producers.

Unit III: Primitive Religion

1. Definition and characteristics
2. Supernaturalism
3. Primitive versus modern religion

.Unit IV: Religious Beliefs and Practices

1. Animism and animatism
2. Rite and rituals
3. Rites de passage
4. Anthropomorphism
5. Fetishism
6. Idolatry
7. Totem and taboo

Unit V: Primitive Magic

1. Definition, characteristics, classification and function of primitive magic
2. Magic and Religion
3. Magic and Science

Suggested Readings:

1. Durkheim E. (1986). *The elementary forms of the religious life, a study in religious sociology*. New York:Macmillan.
2. Benedict A. (2006). *Imagined Communities: Reflections on the Origin and Spread of Nationalism*. Verso
3. Gledhill J. (2000). *Power and Its Disguises: Anthropological Perspectives on Politics*. 2nd ed. London: Pluto Press.
4. Ellis F. (2000). *A framework for livelihood analysis*. In *Rural Livelihoods and Diversity in Developing Countries* . Oxford: Oxford University Press.
5. Henrich J, Boyd R, Bowles S, Camerer C, Fehr E, Gintis H, McElreath R, Alvard M et al. (2005). 'Economic Man' in cross-cultural perspective: Behavioral experiments in 15 small-scale societies. *Behavior and Brain Science*. 28(6):795-815;
6. Henrich J. (2002). *Decision-making, cultural transmission, and adaptation in economic anthropology*. In: J. Ensminger (Ed.), *Theory in Economic Anthropology* (pp. 251-295). Walnut Creek, CA: Altamira Press.
7. Lambek. M. (2008) *A Reader in the Anthropology of Religion*.
8. Eller JD. (2007). *Introducing Anthropology of Religion*. New York: Routledge.
10. Glazier SD. (1997). *Anthropology of Religion: A Handbook*. Westport, CT: Greenwood Press.
11. Frick GD and Langer R. (2010). *Transfer and Spaces*. Harrassowitz (Germany).
12. Evans-Pritchard EE. (1937). *Witchcraft, Oracles and Magic among the Azande*, Oxford: Clarendon Press.
13. Frazer JG. (1978). *The Illustrated Golden Bough*, London: Macmillan.
14. Barbara M. (2011). *Cultural Anthropology*. New Jersey: Pearson Education.
15. Ember CR. (2011). *Anthropology*. New Delhi: Dorling Kinderslay.
16. Herskovits MJ. (1952). *Economic Anthropology: A Study in Comparative Economics*. New York: Alfred A Knopf Inc.
17. Malinowski B. (1922) *Argonauts of the Western Pacific*. London: Routledge.
18. Polyani K. et al (1957), *Trade and Market in the Early Empires*. Chicago: Henry Regnery Company.
19. Balandier G. (1972). *Political Anthropology*. Middlesex: Penguin.

ANTHRO C-303: BIOLOGICAL DIVERSITY IN HUMAN POPULATIONS

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

The course introduces the concept of biological variability. Ethnic elements in the Indian populations, biological diversity among Indian Population.

Unit I: Biological Variability

Concept of biological variability. Race, genetic basis of race. Sources of genetic variation: mutation, gene flow, genetic drift and selection. Hardy-Weinberg Law. Genetic polymorphism. Human adaptability-adaptive mechanisms determining the types of adaptation

Unit II: Racial Criteria

Criteria for racial classifications: somatometric, somatoscopic, genetic, dermatoglyphics

Unit III: Racial Classifications

Characteristic features of major races of mankind- Caucasoid, Negroid and Mongoloid
Various racial classifications (Hooton, Risley and Guha)

Unit IV: Demographic Perspective

Demographic Anthropology, sources of demographic data, demographic processes, demographic profile of Indian populations and its growth structure. Inbreeding and Consanguinity-biological consequences of inbreeding

Unit V: Depth of Diversity

The depth of diversity: Biological diversity in Indian populations- with reference to blood groups, phenylthiocarbamide (PTC) and colour blindness, red cell enzymes, serum Proteins, hemoglobins, (HbS, HbC and HbE)

Suggested readings:

1. Baker P.T. and J.S. Weiner (ed.) (1996) *The Biology of Human Adaptability*. Oxford & New York, Oxford University Press.
2. Bhende A. and T. Kantikar (2006) *Principles of Population Studies*. Himalayan Publishing House, Mumbai
3. Bogin B. (1999). *Pattern of Human Growth*. 2nd edition CUP.
4. Cameron Noel and Barry Bogin (2012) *Human Growth and development*. Second edition, Academic Press Elsevier.
5. Eckhardt R.B.(1979) *The Study of Human Evolution*. McGrand Hill Book Company, USA.
6. Frisancho R. (1993) *Human Adaptation and Accommodation*. University of Michigan press
7. Harrison G.A., Tanner, J.M., Pilbeam, D.R., Baker, P.T. (1988) *Human Biology*. Oxford University Press.
8. Jurmain Robert Lynn kilgore Wenda Trevathan and Ciochon (2010). *Introduction to Physical Anthropology*. Wadsworth Publishing, USA.
9. Kapoor A.K. and Satwanti Kapoor (ed) (1995). *Biology of Highlanders*. Jammu, Vinod Publisher & Distributor.
10. Kapoor A.K. and Satwanti Kapoor (eds) (2004) *India's Elderly-A Multidisciplinary Dimension*. Mittal Publication, New Delhi.
11. Klepinge L.L. (2006). *Fundamentals of Forensic Anthropology*. John Willey & Sons.,New Jersey.
12. Malhotra K.C. and B. Balakrishnan(1996) *Human Population Genetics in India*

13. Malina Robert M., Claude. Bouchard, Oded. Bar-Or. (2004) Growth, and Physical Activity. *Human Kinetics*.
14. Stanford C., Allen, S.J. and Anton, C.S. (2013): *Biological Anthropology*. 3rd edition, Pearson, USA.

SEMESTER IV

ANTHRO C-401: HUMAN GROWTH AND DEVELOPMENT

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

The course introduces the students about the concept of human growth and development. Bio-cultural factors influencing patterns of growth and variation, methods and techniques to growth study.

Unit I: Concept of human growth, development, differentiation and maturation. Prenatal (conception till birth) and postnatal (birth till senescence) period of growth, pattern of normal growth curves, variation from normal growth, ageing

Unit II: Bio-cultural factors (genetic, social, and ecological factors) influencing patterns of growth and variation, methods and techniques to study growth, significance/applicability of growth studies

Unit III: Nutritional epidemiology-concept of balanced diet, impact of malnutrition (over and under) with special reference to obesity, Kwashiorkor and Marasmus. Assessment of nutritional status

Unit IV: Somatotyping and human physique with reference to Sheldon, Parnell, Heath and Carter methods

Unit V: Bio-cultural adaptation to environmental stresses- heat, cold and altitude. Homeostasis and thermoregulation, ecological rules and their applicability among human beings

Suggested Readings

1. Bogin B. (1999) Patterns of human growth. Cambridge University Press.
2. Frisancho R. (1993) Human Adaptation and Accommodation. University of Michigan Press.
3. Cameron N and Bogin B. (2012) Human Growth and Development. Second edition, Academic press Elsevier.
4. Harrison GA and Howard M. (1998). Human Adaptation. Oxford University Press.
5. Harrison GA, Tanner JM, Pibeam DR, Baker PT. (1988). Human Biology. Oxford University Press.
6. Jurmain R, Kilgore L, Trevathan W. Essentials of physical anthropology. Wadsworth publishing.
7. Kapoor AK and Kapoor S. (1995) Biology of Highlanders. Vinod Publisher and Distributor.
8. Kathleen K. (2008). Encyclopedia of Obesity. Sage.
9. Malina RM, Bouchard C, Oded B. (2004) Growth, Maturation, and Physical Activity. Human Kinetics.
10. McArdle WD, Katch FI, Katch VL. (2001) Exercise Physiology: Energy, Nutrition, and Human Performance.
11. Singh I, Kapoor AK, Kapoor S. (1989). Morpho-Physiological and demographic status of the Western Himalyan population. In Basu and Gupta (eds.). Human Biology of Asian Highland Populations in the global context.

12. Sinha R and Kapoor S. (2009). Obesity: A multidimensional approach to contemporary global issue. Dhanraj Publishers. Delhi.

ANTHRO C-402: ANTHROPOLOGY PRACTICAL-II
(BIOLOGICAL, ARCHAEOLOGICAL & MUSEUM METHODS)

Contact Hours: 90

Full Marks = 100 [End Semester Exam Theory (50) Internal Assessment (20) Practical (30)]

Pass Marks = 40 [End Semester Exam Theory (20) Internal Assessment (08) Practical (12)]

A. Biological Anthropology (Marks: 40)

1. Blood group typing-A1, A2, B, O, and Rh (D) blood groups
2. Color Blindness, Glucose-6-phosphate dehydrogenase deficiency (G6PD), PTC test
3. Dermatoglyphics
4. Hemoglobin estimation

B. Archaeological Anthropology (Marks: 30)

1. Identification, sketching and description of Paleoliths, Mesoliths, Neoliths and pottery pieces.
2. Tribal and rural technology: Tools of production and other material artifacts
3. Visit to museum, excavation sites, river terraces and stratigraphy

C. Museum methods (Marks: 30)

1. Classification of museum specimen
2. Cleaning, treatment and preservation of museum specimens by different methods
3. Treatment of bamboo & wooden objects, fabric materials and leather objects

Suggested Readings

1. Brooker R.J. (2012). Genetics: analysis & principles. The McGraw-Hill Companies, Inc 4th ed.
2. Cavalli-Sforza, L.L. and Bodmer, W.F (1971). The Genetics of Human Population. San Francisco: Freeman
3. Cooper DN and Kehrer-Sawatzki H. (2008). Handbook of Human Molecular Evolution. John Wiley & Sons, volume-2.
4. Crawford MH (2007). *Anthropological Genetics Theory, Methods and Applications*. Cambridge University Press
5. Cummings M.R. (2011). Human Heredity: Principles and Issues. Ninth Edition. Brooks/Cole, Cengage Learning
6. Jobling, M.A. Hurlst M. and Tyler-Smith C. (2004). *Human Evolutionary Genetics:Origins, Peoples & Disease*. GS. NY
7. Lewis R. (2009). *Human Genetics: Concepts and Applications* 9th Edition. The McGraw–Hill Companies, Inc.
8. Patch C. (2005). *Applied Genetics in Healthcare*. Taylor & Francis Group
9. Relethford J.H. (2012). *Human Population Genetics*. Wiley-Blackwell, USA
10. Snustad .D.P. and Simmons M.J. (2006). *Principles of Genetics*, Fourth Edition, John Wiley & Sons USA, Hoboken NJ
11. Strachan T, Read A.P. (2004). *Human Molecular Genetics*. Garland Science/Taylor & Francis Group.
12. Vogel F. and Motulsky A.G. (1996). *Human Genetics*. Springer, 3rd revised edition.
13. Allchin and Allchin (1993). *The Rise of Civilization of India and Pakistan*. Cambridge University Press
14. Bhattacharya D.K. (1978). *Emergence of Culture in Europe*, Delhi, B.R. Publication.

15. Bhattacharya D.K. (1979). *Old Stone Age Tools and Techniques*. Calcutta, K.P. Bagchi Company
16. Bhattacharya D.K. (1996). *Palaeolithic Europe*. Netherlands, Humanities Press.
17. Champion et al. (1984). *Prehistoric Europe*. New York, Academic Press.
18. Fagan B.M. (1983). *People of Earth: An Introduction*. Boston, Little, Brown & Company.
19. Phillipson D. W. (2005). *African Archaeology*. Cambridge, Cambridge University Press.
20. Sankalia H.D. (1964). *Stone Age Tools*. Poona Deccan College

ANTHRO C-403: RESEARCH METHODS

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

The course introduces research methods in Anthropology. Field work tradition in Anthropology, tools and techniques of data collection. Ethics of Research.

Unit I: Research Design

Review of literature, conceptual framework, formulation of research problem, formulation of hypothesis, sampling, tools and techniques of data collection, data analysis and reporting, Basic tenets of qualitative research and its relationship with quantitative research.

Unit II: Field Work Tradition in Anthropology

Ethnographic approach, contribution of Malinowski, Boas and other pioneers; cultural relativism, ethnocentrism, etic and emic perspectives, comparative and historical methods

Unit III: Tools and Techniques of Data Collection

Concept of survey, relationship of survey method with ethnographic method, construction of questionnaire and interview schedule. Census and Sample Survey. Observation- Direct, indirect, participant, non-participant, interview -structured and unstructured, key informant interview, case study and genealogy, anthropometric and serological techniques

Unit IV: Ethics of Research

1. Identify, define, and analyze ethical issues in the context of human subject research.
2. Ethical importance of consent, privacy and confidentiality in research

Unit V: Analysis and Writing Up

A. Bio-Statistics

Types of variables, sample size. Descriptive statistics- Measurers of central tendency, measure of dispersion. Tests of inference (t tests, Chi-square test and measures of association, correlation, regression analysis), pedigree analysis. Presentation and summarization of data

B. Writing Up

Chapterization, preparing a text for submission and publication, concepts of preface, notes (end and footnotes), glossary, appendix, bibliography and references cited, review and index.

Suggested Readings

1. Garrard E and Dawson A. What is the role of the research ethics committee? Paternalism, inducements, and harm in research ethics. *Journal of Medical Ethics* 2005; 31: 419-23.
2. Bernard H.R. *Research Methods in Anthropology, Qualitative and Quantitative Approaches*. Jaipur: Rawat Publications. 2006.

3. Madrigal L. *Statistics for Anthropology*. Cambridge: Cambridge University Press. 2012.
4. Zar JH. *Biostatistical Analysis*. Prentice Hall. 2010.
5. Michael A. *The Professional Stranger*. Emerald Publishing. 1996.
6. Bernard R. *Research Methods in Anthropology: Qualitative and Quantitative Approaches*. AltaMira Press. 2011.
7. Emerson RM, Fretz RI and Shaw L. *Writing Ethnographic Fieldnotes*. Chicago, University of Chicago Press. 1995.
8. Lawrence NW. *Social Research Methods, Qualitative and Quantitative Approaches*. Boston: Allyn and Bacon. 2000.
9. O'reilly K. *Ethnographic Methods*. London and New York: Routledge. 2005.
10. Patnaik S.M. *Culture, Identity and Development: An Account of Team Ethnography among the Bhil of Jhabua*. Jaipur: Rawat Publications. 2011.
11. Pelto PJ and Pelto GH. *Anthropological Research, The Structure of Inquiry*. Cambridge: Cambridge University Press. 1978.
12. Sarantakos S. *Social Research*. London: Macmillan Press. 1998.

SEMESTER V

ANTHRO C-501: HUMAN POPULATION GENETICS

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

The course introduces the students about the history and principles of human genetics. It also studies the Genetics and Polymorphism.

Unit I: Essentials of Genetics

Landmarks in the history of genetics, principles in human genetics, chromosome theory of inheritance (segregation and independent assortment) Mendelian inheritance (single factor and multifactorial inheritance, polygenic inheritance), autosomal and sex linked inheritance

Unit II: Methods of studying human heredity

Pedigree method, twin method, bio-metric method

Unit III: Ecological Genetics and Polymorphism

Phenotypic & genotypic polymorphisms, transient polymorphism, balanced polymorphisms, models explaining the maintenance of genetic polymorphism.

Unit IV: Hardy-Weinberg principle

Genotypic and allelic frequencies, assumptions of Hardy-Weinberg equilibrium, its applications and exceptions

Unit V: Mechanism for dynamics in Gene Frequency

Mutation, selection (pattern and mechanism), Genetic drift (bottle neck and founder effect), Gene flow/migration, inbreeding (inbreeding co-efficient and its genetic consequences)

Suggested Readings

1. Brooker R.J. (2012). Genetics: analysis & principles. The McGraw-Hill Companies, Inc 4th ed.
2. Cavalli-Sforza, L.L. and Bodmer, W.F (1971). The Genetics of Human Population. San Francisco: Freeman
3. Cooper DN and Kehrer-Sawatzki H. (2008). Handbook of Human Molecular Evolution. John Wiley & Sons, volume-2.
4. Crawford MH (2007). *Anthropological Genetics Theory, Methods and Applications*. Cambridge University Press
5. Cummings M.R. (2011). Human Heredity: Principles and Issues. Ninth Edition. Brooks/Cole, Cengage Learning
6. Jobling, M.A. Hurls M. and Tyler-Smith C. (2004). *Human Evolutionary Genetics:Origins, Peoples & Disease*. GS. NY
7. Lewis R. (2009). *Human Genetics: Concepts and Applications* 9th Edition. The McGraw–Hill Companies, Inc.
8. Patch C. (2005). *Applied Genetics in Healthcare*. Taylor & Francis Group
9. Relethford J.H. (2012). *Human Population Genetics*. Wiley-Blackwell, USA
10. Snustad .D.P. and Simmons M.J. (2006). *Principles of Genetics*, Fourth Edition, John Wiley & Sons USA, Hoboken NJ
11. Strachan T, Read A.P. (2004). *Human Molecular Genetics*. Garland Science/Taylor & Francis Group.

12. Vogel F. and Motulsky A.G. (1996). *Human Genetics*. Springer, 3rd revised edition.

ANTHRO C-502: ANTHROPOLOGY IN PRACTICE

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

The course introduces about application and applied aspects of Anthropology

Unit I: Academic Anthropology

Academics and Practitioners, Applied Anthropology, Action Anthropology, Development Anthropology

Unit II: Role of Anthropology in Development

Anthropology and Public Policy, Need Assessment and Community Development, Anthropology of NGO's, Management Anthropology, Environment and Community Health, Social and economic sustainability, Cultural resource management

Unit III: Future Dynamics in Anthropology

Trends in Anthropology: Anthropology of Tourism, Anthropology in Census, Anthropology in designing and Fashion, Visual Anthropology

Unit IV: Constitutional Perspective and Human Rights

Constitutional Provisions, Evaluation, Planning and Development of Indian Populations. Human Rights, Interrelationships of rights and duties: Harmony and Conflict, Protection and enforcement of human rights and duties. Human rights of special category and marginal groups. Emerging trends of human rights respective to terrorism, environment and globalization

Unit V: Biosocial Anthropology in Practice

Bio-social elements of human development at national and international level. Application of conceptual framework of Forensic Anthropology in judicial settings both criminal and civil. Population Dynamics and relationship between population growth and various aspects of culture such as means of subsistence, kinship, social complexity, social stratification and political organization. Bio-social counselling of an individual or population

Suggested Readings

1. Arya A and Kapoor AK. (2012). *Gender and Health Management in Afro-Indians*. Global Vision Publishing House, New Delhi.
2. Kertzer DI and Fricke T. (1997). *Anthropological Demography*. University of Chicago Press.
3. Basu, A. and P. Aaby (1998). *The Methods and the Uses of Anthropological Demography*. 329 pp. Oxford, Clarendon Press
4. Carter A. (1998). *Cultural Models and Demographic Behavior*. In *The Methods and the Uses of Anthropological Demography* edited by Basu A and Aaby P. Oxford: Clarendon Press. pp 246-268.
5. *Census of India (2001, 2011) and National Family Health Survey (2006,2010)*.
6. Ervic, Alexander M., (2000). *Applied Anthropology: Tools and Perspectives for Contemporary Practice*, Boston, MA: Allyn and Bacon.
7. Erwin A. (2004). *Applied Anthropology Tools and Practice*, Allyn and Bacon.
8. Gupta S and Kapoor AK. (2009). *Human Rights among Indian Populations: Knowledge, Awareness and Practice*. Gyan Publishing House, New Delhi.
9. Willen SS. (2012). *Anthropology and Human Rights: Theoretical Reconsiderations and Phenomenological Explorations*. *Journal of Human Rights*. 11:150–159.

10. Goodale M. (2009). *Human Rights: An Anthropological Reader*. Wiley Blackwell.
11. Gupta S and Kapoor AK. (2007). *Human Rights, Development and Tribe*. In : *Genes, Environment and Health – Anthropological Perspectives*. K. Sharma, R.K. Pathak, S. Mehra and Talwar I (eds.). Serials Publications, New Delhi.
12. Margaret AG. (2003). *Applied Anthropology: A Career-Oriented Approach*, Boston, MA: Allyn and Bacon.
13. Halbar BG and Khan CGH. (1991). *Relevance of Anthropology – The Indian Scenario*. Rawat Publications, Jaipur.
14. Kapoor AK (1998). *Role of NGO's in Human Development : A Domain of Anthropology*. *J Ind Anthropol Soc*; 33:283-300.
15. Kapoor AK and Singh D. (1997). *Rural Development through NGO's*. Rawat Publications, Jaipur.
16. Klepinger LL (2006). *Fundamentals of Forensic Anthropology*. Wiley-Liss Publications
17. Kumar RK and Kapoor AK. (2009). *Management of a Primitive Tribe: Role of Development Dynamics*. Academic Excellence, Delhi.
18. Mehrotra N and Patnaik SM. (2008). *Culture versus Coercion: The Other Side of Nirmal Gram Yojna*, Economic and Political weekly. pp 25-27.
19. Mishra RC (2005). *Human Rights in a Developing Society*, Mittal Publications, Delhi.
20. Noaln RW. (2002). *Anthropology in Practice: Building a Career outside the Academy*. Publishing Lynne Renner.
21. Patnaik SM (1996). *Displacement, Rehabilitation & Social Change*. Inter India Publications, New Delhi.
22. Patnaik SM (2007). *Anthropology of Tourism: Insights from Nagaland*. *The Eastern Anthropologist*. 60(3&4):455-470
23. Srivastav OS (1996). *Demographic and Population Studies*. Vikas Publishing House, India
24. Vidyarthi LP and BN Sahay (2001). *Applied Anthropology and Development in India*, National Publishing House, New Delhi.
25. Vidyarthi LP. (1990). *Applied Anthropology in India – Principles, Problems and Case Studies*. Kitab Mahal, U.P.
26. Vidyarthi V (1981). *Tribal Development and its Administration*. Concept Publishing Company, New Delhi.

SEMESTER VI

ANTHRO C -601: APPLIED PHYSICAL ANTHROPOLOGY

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

The course introduces about applied fields of Physical Anthropology

Unit I: Anthropometry

1. Anthropometry and its' importance in Anthropology
2. Anthropometry and Operational Designing: Clothing, footwear, furniture, defence equipments
3. Nutritional Anthropology: health and nutrition, nutrition and anthropometry, nutritional status

Unit II: Forensic Anthropology

1. Introduction to Forensic Anthropology

2. Scope and applications of Forensic Anthropology
3. Age, sex determination from skeletal remains
4. Personal Identification of the living and dead (Dermatoglyphics, anthropometry, serology and deformities)

Unit III: Sports Anthropology

1. Kinanthropology and its' importance in Anthropology
2. Anthropology of sports-physical fitness, components of physical fitness
3. Physiological and environmental effects on physical performance
4. Body composition and athletes, sports selection and monitoring

Unit IV: Demographic Anthropology

1. Demographic concepts and importance of population studies in Anthropology
2. Sources of Demographic data, Demographic parameters
3. Fertility
4. Mortality
5. Migration

Unit V: Human Genetics in Anthropology

1. Human genetics and its' importance in Anthropology
2. Medico-legal aspects
3. Eugenics
4. Genetic counselling
5. Genetic Screening
6. Genetic Engineering

Suggested Readings

1. Bhende A. and Kaniikar, T. (2006) Principles of Population Studies. Himalaya Publishing House. Mumbai.
2. Byers, S. N. (2008). Forensic Anthropology. Boston: Pearson Education LTD.
3. Malina RM, Bouchard C, Oded B. (2004) Growth, Maturation, and Physical Activity. Human Kinetics.
4. Relethford J.H. (2012). Human Population Genetics. Wiley-Blackwell, USA
5. Ulijasek SJ and Strickland SS. (1993). Introduction. In Nutritional Anthropology: Prospects and Perspectives. Pp. 1-5. Smith Gordon. Londo

ANTHRO C-602: ANTHROPOLOGY OF INDIA

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

The course introduces the students about Origin, history and development of Anthropology in India, approaches to study Indian society and culture. The course also covers topics on diversity of Indian social structure and Constitutional safeguards for the Scheduled caste and scheduled tribes.

Unit I:

1. Origin, history and development of Anthropology in India, approaches to study Indian society and culture- traditional and contemporary
2. Racial and linguistic elements in Indian population

Unit II:

Understanding the diversity of Indian social structure- concept of Varna, Jati, Caste, Ashram or purusharatha, gender hierarchies- their economic and cultural impact, origin and evolution of social structures and their underlying philosophies.

Unit III:

1. Critical appraisal of contribution of Risley, Guha, and Sarkar towards understanding ethnic distinctness in the Indian populations
2. Contribution of contemporary biological, social and archaeological anthropologists in India.

Unit IV:

1. Aspects of Indian Village –social organisation, agriculture and impact of market economy on villages
2. Tribal situation in India- biogenetic variability, linguistic and socio-economic characteristics; Problems of tribal peoples. Constitutional safeguards for the Scheduled caste and scheduled tribes.

Unit V:

Impact of culture-contact, urbanization and industrialization on tribal and rural population.

Basic concepts -Great tradition and little tradition, sacred complex, Universalization and parochialization, Sanskritization and Westernization, Dominant caste, Tribe-caste continuum, Nature-Man-Spirit complex.

Suggested Reading

1. Nicholas D. (2001). *Castes of Mind: Colonialism and the Making of Modern India*. Princeton University Press.
2. Bernard CS. (2000). *India: The Social Anthropology of Civilization*. Delhi: Oxford University Press.
3. Bhasin MK, Watter H and Danker-Hopfe H. (1994). *People of India – An Investigation of Biological variability in Ecological, Ethno-economic and Linguistic Groups*. Kamla Raj Enterprises, Delhi
4. Lopez DS. (1995). *Religions of India in Practice*. Princeton University Press
5. Gupta D. *Social Stratification*. Delhi: Oxford University Press.
6. Karve I. (1961). *Hindu Society: An Interpretation*. Poona : Deccan College
7. Guha BS. (1931). The racial attributes of people of India. In: *Census of India, 1931, vol I, Part III (BPO, Simla)*
8. Trautmann TR (2011). *India: Brief history of Civilization*. Oxford University Press: Delhi
9. Vidyarthi LP and Rai BK. (1976). *The tribal culture of India*. Concept Publishing Co, Delhi.
10. Haddon AC. (1929). *Races of man*. Cambridge University, London.
11. Kapoor A.K. (1992). *Genetic Diversity among Himalayan Human Populations*. M/S Vinod Publishers, Jammu
12. Majumdar DN. (1901). *Races and Culture of India*. Asia Publishing House, Bombay
13. Dube SC. (1992). *Indian Society*. National Book Trust, India : New Delhi.
14. Dumont L. (1980). *Homo Hierachicus*. University of Chicago Press.
15. Guha B.S. (1931). The racial attributes of people of India. In : *Census of India, 1931, vol I, Part III (BPO, Simla)*
16. Malhotra K.C. (1978). *Morphological Composition of people of India*. J. Human Evolution.

SYLLABI FOR DSE PAPERS

ANTHRO DSE-501: ADVANCED ARCHEOLOGY

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment(30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

Unit I: Understanding Culture

1. Technique of tool manufacture and estimation of their relative efficiency
2. Classification of tools: primary and combination fabrication techniques
3. Typology and cultural nomenclature

Unit II: Classification of Prehistoric Cultures

1. Palaeolithic, Mesolithic and Neolithic cultures of Europe: A brief outline
2. Palaeolithic, Mesolithic and Neolithic cultures of India: A brief outline

Unit III: Megalithic

1. India
2. Northeast India

Unit IV: Chalcolithic Culture in India

1. Ahar
2. Malwa
3. Jorwa

Unit V: Urban Culture

1. Emergence of urban culture
2. Characteristics culture of urban civilization
3. Urban Culture in India

Suggested Readings

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

ANTHRO DSE-502: TRIBAL CULTURES OF INDIA

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

Unit I: Concept of tribes and its problematic nature, General and specific characteristics of tribes, Tribes in India: Historical, academic, administrative and anthropological importance

Unit II: Tribe- caste continuum, Constitutional safeguard/provisions, Distribution of tribes in India

Unit III: Tribes: Nomenclature- emic and etic differences, Classification of tribes based on their economy, occupation and religion, racial elements among the tribes

Unit IV: Tribal movements, Tribal monographs, Problems of tribal development

Unit V: Forest policies and tribes, Migration and occupational shift, Tribal arts and aesthetics
Displacement, rehabilitation and social change Globalization among Indian tribes

Suggested Readings:

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

ANTHRO DSE-601: INDIAN ARCHAEOLOGY

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

Unit I: Understanding culture

1. Technique of tool manufacture
2. Classification of tools
3. Typology and cultural nomenclature

Unit II: Prehistoric India

Pleistocene chronology of India: A critical assessment

Unit III: Character, distribution and interpretation of habitat and economy of:

- i Lower palaeolithic
- ii Middle palaeolithic
- iii Upper palaeolithic
- iv Mesolithic culture
- v Art, ritual and belief

Unit IV: Development of Neolithic Culture

1. Neolithic revolution
2. Development of Neolithic cultures in India

Unit V: Development of Urban culture

1. Emergence of metal age culture
2. Urban revolution: Harappan civilization

Suggested reading:

1. D. K. Bhattacharya (1996) An Outline of Indian Prehistory. Delhi, Palika Prakashan.

2. H. D. Sankalia (1974) Prehistory and Protohistory of India and Pakistan. Poona, Deccan College.
3. H. D. Sankalia (1982) Stone Tool Type and Technology. Delhi, B.R. Publication.

ANTHRO DSE-602: Dissertation/Project Work

Contact Hours: 90

Full Marks = 100 [End Semester Exam Theory (50) Internal Assessment (20) Practical (30)]

Pass Marks = 40 [End Semester Exam Theory (20) Internal Assessment (08) Practical (12)]

Dissertation

The students shall be given instructions on techniques and methods of field investigation in special classes. They should undertake field work for a period of not less than **one week**. The chosen field should be preferably a tribal/ caste/ immigrant community/ slum settlement. The field work will be carried out under guidance of a teacher who will accompany them in the field of study. On the basis of the data collected from the field the students shall have to submit a Dissertation report on completion of the work. The field work should include the following headings:

- I. Topic of the study
- II. Introduction to the study
- III. Methodology of the study
- IV. Field of the Study-Sketch of the village/ community/slum, primary census enumeration of its households and history
- V. Classification and analysis of Data related to social life of the village/community/slum. Each student shall collect data on any one of the following aspects of the social life as per instruction of the teacher concerned:
 - (a) Social structure
 - (b) Economic life
 - (c) Political organisation
 - (d) Youth dormitory /club
 - (e) Beliefs, Rites and Rituals
 - (f) Arts and crafts, dress and ornaments, fairs and festivals
 - (g) Any other aspects selected by the concerned teacher in accordance with the local situation
- VI. Conclusion
Bibliography/References
Appendices

Project Work:

1. The students will visit a NGO or corporate office or census office in Delhi and its adjoining areas and write principal observations on the same.
2. Write a project on constitutional provisions or evaluation of any development project/report.
3. Draw a scene of crime and identify the various evidences in a portrayed crime scene.
4. Write a project on Religious Tourism / Tribal Tourism / Health Tourism / Fashion / Human Rights / Ecotourism.
5. Write a project on the demographic profile from secondary data.
6. Collect data on bio-social problem and design counseling and give the analysis and interpretation.

Suggested Readings

1. Arya A and Kapoor AK. (2012). Gender and Health Management in Afro-Indians. Global Vision Publishing House, New Delhi.
2. Kertzer DI and Fricke T. (1997). Anthropological Demography. University of Chicago Press.
3. Basu, A. and P. Aaby (1998). The Methods and the Uses of Anthropological Demography. 329 pp. Oxford, Clarendon Press
4. Carter A. (1998). Cultural Models and Demographic Behavior. In The Methods and the Uses of Anthropological Demography edited by Basu A and Aaby P. Oxford: Clarendon Press. pp 246-268.
5. Census of India (2001, 2011) and National Family Health Survey (2006,2010).
6. Ervic, Alexander M., (2000). Applied Anthropology: Tools and Perspectives for Contemporary Practise, Boston, MA: Allyn and Bacon.
7. Erwin A. (2004). Applied Anthropology Tools and Practice, Allyn and Bacon.
8. Gupta S and Kapoor AK. (2009). Human Rights among Indian Populations: Knowledge, Awareness and Practice. Gyan Publishing House, New Delhi.
9. Willen SS. (2012). Anthropology and Human Rights: Theoretical Reconsiderations and Phenomenological Explorations. Journal of Human Rights. 11:150–159.
10. Goodale M. (2009). Human Rights: An Anthropological Reader. Wiley Blackwell.
11. Gupta S and Kapoor AK. (2007). Human Rights, Development and Tribe. In : Genes, Environment and Health – Anthropological Perspectives. K. Sharma, R.K. Pathak, S. Mehra and Talwar I (eds.). Serials Publications, New Delhi.
12. Margaret AG. (2003). Applied Anthropology: A Career-Oriented Approach, Boston, MA: Allyn and Bacon.
13. Halbar BG and Khan CGH. (1991). Relevance of Anthropology – The Indian Scenario. Rawat Publications, Jaipur.
14. Kapoor AK (1998). Role of NGO's in Human Development : A Domain of Anthropology. J Ind Anthropol Soc; 33:283-300.
15. Kapoor AK and Singh D. (1997). Rural Development through NGO's. Rawat Publications, Jaipur.
16. Klepinger LL (2006). Fundamentals of Forensic Anthropology. Wiley-Liss Publications
17. Kumar RK and Kapoor AK. (2009). Management of a Primitive Tribe: Role of Development Dynamics. Academic Excellence, Delhi.
18. Mehrotra N and Patnaik SM. (2008). Culture versus Coercion: The Other Side of Nirmal Gram Yojna, Economic and Political weekly. pp 25-27.
19. Mishra RC (2005). Human Rights in a Developing Society, Mittal Publications, Delhi.
20. Noaln RW. (2002). Anthropology in Practice: Building a Career outside the Academy. Publishing Lynne Reinner.
21. Patnaik SM (1996). Displacement, Rehabilitation & Social Change. Inter India Publications, New Delhi.
22. Patnaik SM (2007). Anthropology of Tourism: Insights from Nagaland. The Eastern Anthropologist. 60(3&4):455-470
23. Srivastav OS (1996). Demographic and Population Studies. Vikas Publishing House, India
24. Vidyarthi LP and BN Sahay (2001). Applied Anthropology and Development in India, National Publishing House, New Delhi.
25. Vidyarthi LP. (1990). Applied Anthropology in India – Principles, Problems and Case Studies. Kitab Mahal, U.P.

SYLLABI FOR SEC PAPERS

ANTHRO SEC-301: PUBLIC HEALTH AND EPIDEMIOLOGY

Contact Hours: 60

Full Marks = 50 [End Semester Exam Theory (35) Practical (15)]

Pass Marks = 20 [End Semester Exam Theory (14) Practical (06)]

Unit I: Principles of Epidemiology in Public Health

Overview of epidemiology methods used in research studies to address disease patterns in community and clinic-based populations, distribution and determinants of health-related states or events in specific populations, and strategies to control health problems

Unit II: Statistical Methods for Health Science

Analysis and interpretation of data including data cleaning, data file construction and management; implementation of analytic strategies appropriate for the type of data, study design and research hypothesis; parametric and nonparametric methods, measures of association

Unit III: Environmental Health

Effects of biological, chemical, and physical agents in environment on health (water, air, food and land resources); ecological model of population health; policies, and practices associated with environmental health and intended to improve public health

Unit IV: Psychological, Behavioural, and Social Issues in Public Health

Cultural, social, behavioural, psychological and economic factors that influence health and illness; behavioural science theory and methods to understanding and resolving public health problems; assess knowledge, attitudes, behaviours towards disease and patient compliance to treatment.

Unit V: Epidemiology of disease

Contemporary methods for surveillance, assessment, prevention, and control of infectious and chronic diseases, disabilities, HIV/AIDS; understanding etiology; determining change in trend over time; implementation of control measures

Suggested reading

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

11. Aschengrau A and Seage GR. (2008). *Essentials of Epidemiology in Public Health*. Boston, Massachusetts.

ANTHRO SEC-401: Tourism Anthropology

Contact Hours: 60

Full Marks = 50 [End Semester Exam Theory (35) Practical (15)]

Pass Marks = 20 [End Semester Exam Theory (14) Practical (06)]

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

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

Unit III: understand the 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

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

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

Suggested Readings

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

12. Wood R. (1997). *Tourism and the State: Ethnic Options and the Construction of Otherness*. In Picard and Wood *Tourism, Ethnicity and the State in Asian and Pacific Societies*. University of Hawai Press.
13. Richard B. (1992). *Alternative Tourism: The Thin Edge of the Wedge*. In Valene Smith and Eadington *Tourism (eds.) Alternatives: Potentials and Problems in the Development of Tourism*. University of Pennsylvania Press.
14. Hitchcock. (1997). *Cultural, Economic and Environmental Impacts of Tourism among the Kalahari*. In Chambers E (eds.) *Tourism and Culture: An Applied Perspective*. SUNY Press.

Syllabi of Anthropology Papers/ Generic Elective Papers for students taking Honours in Other disciplines

SYLLABI FOR DSC/GE PAPERS

Semester I

ANTHRO DSC-101: INTRODUCTION TO ANTHROPOLOGY/

ANTHRO GE-101: INTRODUCTION TO ANTHROPOLOGY

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

This course introduces the students about the meaning, scope, history and branches of anthropology and its relationship with allied disciplines. This course also introduces on fundamentals in physical, archaeological and socio-cultural anthropology.

Unit I: Fundamentals in Anthropology

5. Meaning, scope and history of Anthropology
6. Branches of Anthropology
7. Relationship among various branches of Anthropology
8. Relationship of Anthropology with allied disciplines

Unit II: Fundamentals in Physical Anthropology- I

4. Meaning, scope and branches of Physical Anthropology
5. Modern trends in Physical Anthropology
6. General study of Human Skeleton

Unit III: Fundamentals in Physical Anthropology-II

4. Man's place in animal kingdom
5. Mammals: Characteristics and classification
6. Primates: Characteristics and classification

Unit IV: Fundamentals in Archaeological Anthropology

5. Meaning and scope of Prehistoric Archaeology
6. Concept of Prehistory, Proto history, History
7. Relationship of Archaeology, Palaeoanthropology and Ethno-archaeology
8. Relationship of Prehistoric Archaeology with other branches of Anthropology

Unit V: Fundamentals in Socio-Cultural Anthropology

5. Meaning, scope and branches of Socio-cultural Anthropology
6. Modern trends in Socio-Cultural Anthropology
7. Culture: Concept and characteristics
8. Society: Concept and characteristics

Suggested Readings

1. Jurmain R., Kilgore L., Trevathan W., Ciochon R.L. (2012). Introduction to Physical Anthropology. Wadsworth Publ., USA

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

Semester II

ANTHRO DSC-201: ANTHROPOLOGY PRACTICAL –I (BIOLOGICAL, CULTURAL AND ARCHAEOLOGICAL)/

ANTHRO GE-201: ANTHROPOLOGY PRACTICAL –I (BIOLOGICAL, CULTURAL AND ARCHAEOLOGICAL)/

Contact Hours: 90

Full Marks = 100 [End Semester Exam Theory (50) Internal Assessment (20) Practical (30)]

Pass Marks = 40 [End Semester Exam Theory (20) Internal Assessment (08) Practical (12)]

B. Biological Anthropology

(Marks: 40)

Somatometry:

1. Maximum head length
2. Maximum head breadth
3. Maximum bizygomatic breadth
4. Bigonial breadth
5. Nasal length
6. Nasal breadth
7. Morphological facial height
8. Morphological upper facial height
9. Head circumference
10. Stature
11. Sitting height
12. Body weight

Indices: Cephalic index, Nasal index

Somatoscopy:

1. Head form
2. Hair form
3. Facial form
4. Eye form
5. Nose form
6. Hair colour
7. Eye colour
8. Skin colour

Craniometry:

1. Maximum cranial length
2. Maximum cranial breadth
3. Greatest occipital breadth
4. Maximum bizygomatic breadth
5. Maximum bigonial breadth
6. Maximum frontal breadth
7. Minimum frontal breadth
8. Nasal height
9. Nasal breadth
10. Bi-mastoid breadth

Indices: Cranial index, Nasal index

Osteometry: Measurements of long bones: lengths, minimum/least circumference

D. Cultural Anthropology

(Marks: 30)

Technology

1. Introduction: Objectives of technology practical
2. Identification of technological specimens.
3. Description, Methods of manipulation, purpose of uses and place where found and people who use them: a) hunting and warfare implements, b) fishing implements, c) agricultural implements, d) implements for preservation and transportation.

E. Archaeological Anthropology

(Marks: 30)

Typo-technological Analysis of Prehistoric Tools: Identification, Interpretation and Drawings of the tool Types

1. Core Tool Types
2. Flake Tool Types
3. Blade Tool Types
4. Microlithic Tool Type
5. Neolithic Tool Type

Suggested Readings

1. Jurmain R., Kilgore L., Trevathan W., Ciochon R.L. (2012). Introduction to Physical Anthropology. Wadsworth Publ., USA
2. Kroeber A. L. (1948). Anthropology. Oxford & IBH Publishing Co., New Delhi.
3. Stanford C., Allen J.S. and Anton S.C. (2010). Exploring Biological Anthropology. The Essentials. Prentice Hall Publ, USA.
4. Statement on Race: Annotated Elaboration and Exposition of the Four Statements on Race (1972). Issued by UNESCO. Oxford University Press.
5. Buettner-Janusch, J. (1966). *Origins of Man: Physical Anthropology*. John Wiley & Sons, Inc., New York, London, Sydney.
6. Conroy, G.C. (1997). *Reconstructing Human Origins: A Modern Synthesis*. W. W. Norton & Company, New York, London.
7. Howell F.C. (1977). *Horizons of Anthropology*. Eds. S. Tax and L.G. Freeman, Aldine Publishing House, Chicago.
8. Nystrom P. and Ashmore P. (2011). *The Life of Primates*. PHI Learning Private Limited, New Delhi.
9. Seth P. K. and Seth S. (1986). *The Primates*. Northern Book Centre, New Delhi, Allahabad.
10. Singh I. P. and Bhasin M.K. (1989). *Anthropometry: A Laboratory Manual on Biological Anthropology*. Kamla-Raj Enterprises, Chawri Bazar, Delhi.
11. Stanford C.; Allen J.S. and Anton S.C. (2012). *Biological Anthropology: The Natural History of Mankind*. PHI Learning Private Limited, New Delhi.
12. Swindler D. R. (2009). *Introduction to the Primates*. Overseas Press India Pvt. Ltd., New Delhi.
13. Jurmain R., Kilgore L., Trevathan W., Ciochon R.L. (2012). Introduction to Physical Anthropology. Wadsworth Publ., USA
14. Kroeber A. L. (1948). Anthropology. Oxford & IBH Publishing Co., New Delhi.
15. Stanford C., Allen J.S. and Anton S.C. (2010). Exploring Biological Anthropology. The Essentials. Prentice Hall Publ, USA.
16. Statement on Race: Annotated Elaboration and Exposition of the Four Statements on Race (1972). Issued by UNESCO. Oxford University Press.

SEMESTER III

ANTHRO DSC-301: INTRODUCTION TO SOCIO-CULTURAL ANTHROPOLOGY/ ANTHRO GE-301: INTRODUCTION TO SOCIO-CULTURAL ANTHROPOLOGY

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

This course introduces the students to the nature, scope, branches, of socio-cultural anthropology as well as concept of society and culture as well as social institutions and political organization.

Unit I: Basic Concepts

1. Culture, Society, community, civilization
2. Status and role, Groups and Institutions, Social Stratification
3. Social fact, Social action, social conflict

Unit II: Culture

1. Aspects of culture: Material and non-material
2. Components of culture: Culture traits, culture complex and culture area
3. Cultural Processes: Enculturation, transculturation, contraculturation and acculturation

Unit III: Social Institutions

1. Marriage: Definition and characteristics, modes of mate selection, types and forms of marriage, marriage related practices
2. Family: Definition and characteristics, types, functions

Unit IV: Social Institutions and Groups

1. Kinship: Definition, characteristics and types; descent, types of descent, inheritance and succession; kinship terminology; kinship usages
2. Kinship based groups: Lineage and clan- definitions, characteristics, types and functions

Unit V: Property and Political Organization

1. Concept and types of property in simple societies, inheritance of property
2. Concept and types of political organizations in simple societies, concept of power and authority

Suggested Readings

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

SEMESTER IV

ANTHRO DSC-401: ARCHAEOLOGICAL ANTHROPOLOGY/

ANTHRO GE-401: ARCHAEOLOGICAL ANTHROPOLOGY

Contact Hours: 60

Full Marks = 100 [End Semester Exam (70) Internal Assessment (30)]

Pass Marks = 40 [End Semester Exam (28) Internal Assessment (12)]

This course introduces the students to the methods in prehistoric archaeology and geochronology of Pleistocene epoch. The course also gives knowledge on Prehistoric tool typology and technology and classification of Prehistoric cultures.

Unit I: Methods of Studying Prehistoric Archaeology

4. Geological (stratigraphical)
5. Paleontological
6. Archaeological (Typological)

Unit II: Methods of Estimation of Time

3. Absolute dating methods
4. Relative dating methods

Unit III: A. Geochronology of Pleistocene Epoch

2. Geological time scale
 6. Glacial and interglacial
 7. Pluvial and interpluvial
 8. Different types of geo-climatic events
- B. Evidences of Prehistoric Culture
9. Artifacts, industry, assemblage
 10. Culture and Civilization

Unit IV: Prehistoric Tool Typology and Technology

3. Core, flake, blade and bone tool industry
4. Lithic technology: percussion, pressure flaking, grinding and polishing

Unit V: Classification of Prehistoric Cultures

1. Palaeolithic, Mesolithic and Neolithic cultures of Europe: A brief outline
2. Palaeolithic, Mesolithic and Neolithic cultures of India: A brief outline

Suggested Readings

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

SYLLABI FOR SEC PAPERS

ANTHRO SEC-301: HUMAN ECOLOGY: BIOLOGICAL & CULTURAL DIMENSIONS

Contact Hours: 60

Full Marks = 50 [End Semester Exam Theory (35) Practical (15)]

Pass Marks = 20 [End Semester Exam Theory (14) Practical (06)]

The course introduces the students about the concept of ecology, methods of studying human ecology. Biological & Cultural dimensions of adaptation.

Unit I: Concepts in Ecology: Definition, eco-sensitivity adaptation, acclimation, acclimatization, biotic and abiotic component. Methods of studying human ecology.

Unit II: Adaptation to various ecological stresses; Ecological rules and their applicability to human populations.

Unit III: Impact of urbanization and industrialization on Man.

Unit IV: Culture as a tool of adaptation; various modes of human adaptation in pre-state societies.

i. Hunting and food gathering

ii. Pastoralism

iii. Shifting cultivation

Unit V: Ecological themes of state formation: i. Neolithic revolution, ii. Hydraulic civilization

Suggested Reading

1. Human ecology: biocultural adaptation in human communities. (2006) Schutkowski, H. Berlin. Springer Verlag.
2. Human ecology and cognitive style: comparative studies in cultural and physical adaptation. (1976).Berry, J.B. New York: John Wiley.
3. Human ecology. (1964) Stapledon. Faber & Faber.
4. Studies in Human Ecology. (1961) Theodorson, G.A. Row, Peterson & Company Elmsford, New York.
5. Human ecology: (1973) Problems and Solutions. Paul R. Ehrlich, Anne H. Ehrlich and John P. Holdress. W.H. Freeman & Company, San Francisco.
6. Cohen, Yehudi A. 1968. Man in adaptation; the cultural present. Chicago: Aldine Pub. Co.
7. Redfield, Robert. (1965). Peasant society and culture an anthropological approach to civilization. Chicago [u.a.]: Univ. of Chicago Press.
8. Symposium on Man the Hunter, Richard B. Lee, and Irven DeVore. 1969. Man the hunter. Chicago: Aldine Pub. Co

ANTHRO SEC-401: ANTHROPOLOGY PRACTICAL-II (BIOLOGICAL, ARCHAEOLOGICAL & MUSEUM METHODS)

Contact Hours: 90

Full Marks = 50 [End Semester Exam Theory (35) Practical (15)]

Pass Marks = 20 [End Semester Exam Theory (14) Practical (06)]

A. Biological Anthropology (Marks: 20)

1. Blood group typing-A1, A2, B, O, and Rh (D) blood groups
2. Color Blindness, Glucose-6-phosphate dehydrogenase deficiency (G6PD), PTC test
3. Dermatoglyphics
4. Hemoglobin estimation

B. Archaeological Anthropology (Marks: 15)

1. Identification, sketching and description of Paleoliths, Mesoliths, Neoliths and pottery pieces.
2. Tribal and rural technology: Tools of production and other material artifacts

C. Museum methods (Marks: 15)

1. Classification of museum specimen
2. Cleaning, treatment and preservation of museum specimens by different methods

Suggested Readings

1. Brooker R.J. (2012). Genetics: analysis & principles. The McGraw-Hill Companies, Inc 4th ed.
2. Cavalli-Sforza, L.L. and Bodmer, W.F (1971). The Genetics of Human Population. San Francisco: Freeman
3. Cooper DN and Kehrer-Sawatzki H. (2008). Handbook of Human Molecular Evolution. John Wiley & Sons, volume-2.
4. Crawford MH (2007). *Anthropological Genetics Theory, Methods and Applications*. Cambridge University Press
5. Cummings M.R. (2011). Human Heredity: Principles and Issues. Ninth Edition. Brooks/Cole, Cengage Learning
6. Jobling, M.A. Hurlst M. and Tyler-Smith C. (2004). *Human Evolutionary Genetics:Origins, Peoples & Disease*. GS. NY
7. Lewis R. (2009). *Human Genetics: Concepts and Applications* 9th Edition. The McGraw–Hill Companies, Inc.
8. Patch C. (2005). *Applied Genetics in Healthcare*. Taylor & Francis Group
9. Relethford J.H. (2012). *Human Population Genetics*. Wiley-Blackwell, USA
10. Snustad .D.P. and Simmons M.J. (2006). *Principles of Genetics*, Fourth Edition, John Wiley & Sons USA, Hoboken NJ
11. Strachan T, Read A.P. (2004). *Human Molecular Genetics*. Garland Science/Taylor & Francis Group.
12. Vogel F. and Motulsky A.G. (1996). *Human Genetics*. Springer, 3rd revised edition.
13. Allchin and Allchin (1993). *The Rise of Civilization of India and Pakistan*. Cambridge University Press
14. Bhattacharya D.K. (1978). *Emergence of Culture in Europe*, Delhi, B.R. Publication.
15. Bhattacharya D.K. (1979). *Old Stone Age Tools and Techniques*. Calcutta, K.P. Bagchi Company
16. Bhattacharya D.K. (1996). *Palaeolithic Europe*. Netherlands, Humanities Press.
17. Champion et al. (1984). *Prehistoric Europe*. New York, Academic Press.
18. Fagan B.M. (1983). *People of Earth: An Introduction*. Boston, Little, Brown & Company.
19. Phillipson D. W. (2005). *African Archaeology*. Cambridge, Cambridge University Press.
20. Sankalia H.D. (1964). *Stone Age Tools*. Poona Deccan College

ANTHRO SEC-501: APPLIED PHYSICAL ANTHROPOLOGY

Contact Hours: 60

Full Marks = 50 [End Semester Exam Theory (35) Practical (15)]

Pass Marks = 20 [End Semester Exam Theory (14) Practical (06)]

The course introduces about applied fields of Physical Anthropology

Unit I: Anthropometry

4. Anthropometry and its' importance in Anthropology
5. Anthropometry and Operational Designing: Clothing, footwear, furniture, defence equipments
6. Nutritional Anthropology: health and nutrition, nutrition and anthropometry, nutritional status

Unit II: Forensic Anthropology

5. Introduction to Forensic Anthropology
6. Scope and applications of Forensic Anthropology
7. Age, sex determination from skeletal remains
8. Personal Identification of the living and dead (Dermatoglyphics, anthropometry, serology and deformities)

Unit III: Sports Anthropology

5. Kinanthropology and its' importance in Anthropology
6. Anthropology of sports-physical fitness, components of physical fitness
7. Physiological and environmental effects on physical performance
8. Body composition and athletes, sports selection and monitoring

Unit IV: Demographic Anthropology

6. Demographic concepts and importance of population studies in Anthropology
7. Sources of Demographic data, Demographic parameters
8. Fertility
9. Mortality
10. Migration

Unit V: Human Genetics in Anthropology

7. Human genetics and its' importance in Anthropology
8. Medico-legal aspects
9. Eugenics
10. Genetic counselling
11. Genetic Screening
12. Genetic Engineering

Suggested Readings

6. Bhende A. and Kaniikar, T. (2006) Principles of Population Studies. Himalaya Publishing House. Mumbai.
7. Byers, S. N. (2008). Forensic Anthropology. Boston: Pearson Education LTD.
8. Malina RM, Bouchard C, Oded B. (2004) Growth, Maturation, and Physical Activity. Human Kinetics.
9. Relethford J.H. (2012). Human Population Genetics. Wiley-Blackwell, USA
10. Ulijasek SJ and Strickland SS. (1993). Introduction. In Nutritional Anthropology: Prospects and Perspectives. Pp. 1-5. Smith Gordon. Londo

ANTHRO SEC-601: DISSERTATION/ PROJECT WORK

Contact Hours: 90

Full Marks = 50 [End Semester Exam Theory (35) Practical (15)]

Pass Marks = 20 [End Semester Exam Theory (14) Practical (06)]

Dissertation

The students shall be given instructions on techniques and methods of field investigation in special classes. They should undertake field work for a period of not less than **one week**. The chosen field should be preferably a tribal/ caste/ immigrant community/ slum settlement. The field work will be carried out under guidance of a teacher who will accompany them in the field of study. On the basis of the data collected from the field the students shall have to submit a Dissertation report on completion of the work. The field work should include the following headings:

- VII. Topic of the study
- VIII. Introduction to the study
- IX. Methodology of the study
- X. Field of the Study-Sketch of the village/ community/slum, primary census enumeration of its households and history
- XI. Classification and analysis of Data related to social life of the village/community/slum. Each student shall collect data on any one of the following aspects of the social life as per instruction of the teacher concerned:
 - (h) Social structure
 - (i) Economic life
 - (j) Political organisation
 - (k) Youth dormitory /club
 - (l) Beliefs, Rites and Rituals
 - (m) Arts and crafts, dress and ornaments, fairs and festivals
 - (n) Any other aspects selected by the concerned teacher in accordance with the local situation
- XII. Conclusion
Bibliography/References
Appendices

Project Work:

1. The students will visit a NGO or corporate office or census office in Delhi and its adjoining areas and write principal observations on the same.
2. Write a project on constitutional provisions or evaluation of any development project/report.
3. Draw a scene of crime and identify the various evidences in a portrayed crime scene.
4. Write a project on Religious Tourism / Tribal Tourism / Health Tourism / Fashion / Human Rights / Ecotourism.
5. Write a project on the demographic profile from secondary data.
6. Collect data on bio-social problem and design counseling and give the analysis and interpretation.

Suggested Readings

1. Arya A and Kapoor AK. (2012). Gender and Health Management in Afro-Indians. Global Vision Publishing House, New Delhi.
2. Kertzer DI and Fricke T. (1997). Anthropological Demography. University of Chicago Press.

3. Basu, A. and P. Aaby (1998). *The Methods and the Uses of Anthropological Demography*. 329 pp. Oxford, Clarendon Press
4. Carter A. (1998). *Cultural Models and Demographic Behavior*. In *The Methods and the Uses of Anthropological Demography* edited by Basu A and Aaby P. Oxford: Clarendon Press. pp 246-268.
5. Census of India (2001, 2011) and National Family Health Survey (2006,2010).
6. Ervic, Alexander M., (2000). *Applied Anthropology: Tools and Perspectives for Contemporary Practise*, Boston, MA: Allyn and Bacon.
7. Erwin A. (2004). *Applied Anthropology Tools and Practice*, Allyn and Bacon.
8. Gupta S and Kapoor AK. (2009). *Human Rights among Indian Populations: Knowledge, Awareness and Practice*. Gyan Publishing House, New Delhi.
9. Willen SS. (2012). *Anthropology and Human Rights: Theoretical Reconsiderations and Phenomenological Explorations*. *Journal of Human Rights*. 11:150–159.
10. Goodale M. (2009). *Human Rights: An Anthropological Reader*. Wiley Blackwell.
11. Gupta S and Kapoor AK. (2007). *Human Rights, Development and Tribe*. In : *Genes, Environment and Health – Anthropological Prespectives*. K. Sharma, R.K. Pathak, S. Mehra and Talwar I (eds.). Serials Publications, New Delhi.
12. Margaret AG. (2003). *Applied Anthropology: A Career-Oriented Approach*, Boston, MA: Allyn and Bacon.
13. Halbar BG and Khan CGH. (1991). *Relevance of Anthropology – The Indian Scenario*. Rawat Publications, Jaipur.
14. Kapoor AK (1998). *Role of NGO's in Human Development : A Domain of Anthropology*. *J Ind Anthropol Soc*; 33:283-300.
15. Kapoor AK and Singh D. (1997). *Rural Development through NGO's*. Rawat Publications, Jaipur.
16. Klepinger LL (2006). *Fundamentals of Forensic Anthropology*. Wiley-Liss Publications
17. Kumar RK and Kapoor AK. (2009). *Management of a Primitive Tribe: Role of Development Dynamics*. Academic Excellence, Delhi.
18. Mehrotra N and Patnaik SM. (2008). *Culture versus Coercion: The Other Side of Nirmal Gram Yojna*, *Economic and Political weekly*. pp 25-27.
19. Mishra RC (2005). *Human Rights in a Developing Society*, Mittal Publications, Delhi.
20. Noaln RW. (2002). *Anthropology in Practice: Building a Career outside the Academy*. Publishing Lynne Reinner.
21. Patnaik SM (1996). *Displacement, Rehabilitation & Social Change*. Inter India Publications, New Delhi.
22. Patnaik SM (2007). *Anthropology of Tourism: Insights from Nagaland*. *The Eastern Anthropologist*. 60(3&4):455-470
23. Srivastav OS (1996). *Demographic and Population Studies*. Vikas Publishing House, India
24. Vidyarthi LP and BN Sahay (2001). *Applied Anthropology and Development in India*, National Publishing House, New Delhi.
25. Vidyarthi LP. (1990). *Applied Anthropology in India – Principles, Problems and Case Studies*. Kitab Mahal, U.P.