



NAGALAND UNIVERSITY
(A Central University Estd. By the Act of Parliament No. 35 of 1989)
DEPARTMENT OF ANTHROPOLOGY
Headquarters: Lumami 798627
Course structure for M.Sc./M.A. In Anthropology

YEAR- 2025

TOTAL CREDIT: 80 TOTAL MARKS: 2000

FIRST SEMESTER		Total credit = 20	Total Marks = 500
COURSE NUMBER	NAME OF THE COURSE	Credit	Marks (Internal:Final= 40:60)
ANTH-101 (T)	EVOLUTIONARY ANTHROPOLOGY	4	100
ANTH-102 (T)	SOCIAL AND CULTURAL ANTHROPOLOGY	4	100
ANTH-103 (T)	ARCHEAOLOGICAL ANTHROPOLOGY	4	100
ANTH-104 (P)	PRACTICAL-PHYSICAL ANTHROPOLOGY	4	100
ANTH-105 (P)	PRACTICAL- ARCHEAOLOGICAL ANTHROPOLOGY	4	100
SECOND SEMESTER		Total credit = 20	Total Marks = 500
COURSE NUMBER	NAME OF THE COURSE	Credit	Marks (Internal:Final= 40:60)
ANTH-201 (T)	ANTHROPOLOGY OF INDIA	4	100
ANTH-202 (T)	LINGUISTIC ANTHROPOLOGY	4	100
ANTH-203 (T)	ANTHROPOLOGICAL GENETICS	4	100
ANTH-204 (T)	DEMOGRAPHIC ANTHROPOLOGY	4	100
ANTH-205 (P)	PRACTICAL-ANTHROPOLOGICAL GENETICS	4	100
A STUDENT CAN EXIT AFTER SECOND SEMESTER WITH PG DIPLOMA			

THIRD SEMESTER		Total credit =20	Total Marks= 500
COURSE NUMBER	NAME OF THE COURSE	Credit	Marks (Internal:Final= 40:60)
COMMON PAPERS			
ANTH-301 (T)	RESEARCH METHODOLOGY	4	100
ANTH-305	MASSIVE OPEN ONLINE COURSE [MOOC]	2	50
ANTH-306	INTERNSHIP	2	50
SPECIAL PAPERS IN PHYSICAL ANTHROPOLOGY			
ANTH 302.1 (T)	PHYSIOLOGICAL ANTHROPOLOGY	4	100
ANY ONE PAPER UNDER THE CHOICE BASED SYSTEM FROM 303.1 TO 303.4			
ANTHC- 303.1 (T)	HUMAN POPULATION GENETICS	4	100
ANTHC-303.2 (T)	HUMAN GROWTH AND DEVELOPMENT	4	100
ANTHC-303.3 (T)	SPORTS ANTHROPOLOGY	4	100
ANTHC-303.4 (T)	MEDICAL GENETICS	4	100
ANTH-304.1 (P)	PHYSIOLOGICAL ANTHROPOLOGY	4	100
SPECIAL PAPERS IN SOCIAL AND CULTURAL ANTHROPOLOGY			
COURSE NUMBER	NAME OF THE COURSE	Credit	Marks (Internal: final=40:60)
ANTH-302.2 (T)	ANTHROPOLOGICAL THEORIES	4	100
ANY ONE PAPER UNDER THE CHOICE BASED SYSTEM FROM 303.5 TO 303.11			
ANTHC-303.5 (T)	MEDICAL ANTHROPOLOGY	4	100
ANTHC-303.6 (T)	BUSINESS ANTHROPOLOGY	4	100
ANTHC-303.7 (T)	ECONOMIC AND DEVELOPMENTAL ANTHROPOLOGY	4	100
ANTHC-303.8 (T)	TRIBES IN INDIAN CONTEXT	4	100

ANTHC-303.9 (T)	ANTHROPOLOGY OF HUMAN RIGHTS	4	100
ANTHC-303.10 (T)	URBAN ANTHROPOLOGY	4	100
ANTHC-303.11 (T)	ECOLOGY AND SOCIETY	4	100
ANTH-304.2 (P)	APPLICATION OF SOCIAL AND CULTURAL ANTHROPOLOGY	4	100
FOURTH SEMESTER			
COURSE NUMBER	NAME OF THE COURSE	Credit	Total Marks (Internal: final= 40:60)
ANTH-401	DISSERTATION	20	500

T= Theory; P= Practical; ANTHC= Choice based paper;

SYLLABUS OF 3RD and 4th SEMESTER is equally related to PG 1 yr programme for the students coming from FYUGP.

STUDENT EXITING AFTER 2nd SEMESTER WILL BE AWARDED WITH P.G. DIPLOMA

- **STUDENT CAN EARN CREDITS FROM SWAYAM AND CREDITS COULD BE TRANSFERRED IN LIEU OF CORE PAPER.**
- **CREDITS EARNED FROM SWAYAM NOT RELATED TO SYLLABUS WILL BE CONSIDERED AS VALUE ADDED COURSES.**

Programme outcomes:

M.Sc programme in Anthropology aim at the following outcome:

- Proficient in evolutionary biology as applied to human evolution.
- Able to understand and analyze population genetics data.
- Cultural barriers or potency for economic growth and Development.
- Learn to communicate in context of cultural differences.
- Understand Business in cultural context and to navigate the market accordingly.
- Have real practical experience in fieldwork and report writing.
- Prepare the students for qualitative (especially focusing on ethnography) and quantitative research.
- Better understanding of human being as integrated biological and social being.
- Ability to develop the level of cultural tolerance.
- Potential to understand the social problem and work for possible solution.
- Ability to apply the theoretical and textual knowledge into the applied field.

Programme specific outcomes:

- a. Able to interpret molecular genetic data.
- b. Well verse in the use of statistics in research.
- c. Trained in methods of qualitative research.
- d. Able to use insights from anthropology in business.
- e. Experience in doing fieldwork and writing scientific report about it.
- f. Training in literature review, publications and article writing for journals.
- g. Awareness about the fundamental human rights of self and others.
- h. Ability to understand the significance of sustainable ecology and co-related cultural sustainability.
- i. To become a potential manpower under the situation of national disaster, in order to stabilize the affected people from the trauma.

Choice base papers offered by the Department at 3rd semester

COURSE NUMBER	NAME OF THE COURSE
ANTHC- 303.1 (T)	HUMAN POPULATION GENETICS
ANTHC-303.2 (T)	HUMAN GROWTH AND DEVELOPMENT
ANTHC-303.3 (T)	SPORTS ANTHROPOLOGY
ANTHC-303.4 (T)	MEDICAL GENETICS
ANTHC-303.5 (T)	MEDICAL ANTHROPOLOGY
ANTHC-303.6 (T)	BUSINESS ANTHROPOLOGY
ANTHC-303.7 (T)	ECONOMIC AND DEVELOPMENTAL ANTHROPOLOGY
ANTHC-303.8 (T)	TRIBES IN INDIAN CONTEXT
ANTHC-303.9 (T)	ANTHROPOLOGY OF HUMAN RIGHTS
ANTHC-303.10 (T)	URBAN ANTHROPOLOGY
ANTHC-303.11 (T)	ECOLOGY AND SOCIETY

NUMBER OF COURSE HAVING EMPLOYABILITY / ENTREPRENEURSHIP/ SKILL DEVELOPMENT

COURSE NO.	COURSE NAME	Activities having direct bearing on employability / entrepreneurship/ Skill development
ANTHC-303.3 (T)	SPORTS ANTHROPOLOGY	<i>By imparting knowledge related to:</i> Kinanthropometry and its application to sports science. Biomechanics fundamentals and principles and its application to sports. Human anatomy and its application to

		performance and injury reduction. Application of nutrition science in sports science
ANTHC-303.9 (T)	ANTHROPOLOGY OF HUMAN RIGHTS	To create awareness about the fundamental human rights of self and others. Further, to build up the self awareness about right to culture and dignity, of being a Human.
ANTHC-303.6 (T)	BUSINESS ANTHROPOLOGY	<i>By imparting knowledge related to:</i> Organization behavior and management. Business innovation process. Principles of innovation in business. Entrepreneurship and its Determinants Consumer behaviour and marketing research
ANTHC-304.2 (P)	APPLICATION OF SOCIAL AND CULTURAL ANTHROPOLOGY	In the contemporary period a number of indigenous cultural practices are on the way of extinction. Adequate documentation about such practices are required for their preservation as well as a source of digital data base to the outer world. The paper is focused on these core objectives.

DETAIL OF THE COURSE OUTCOME

FIRST SEMESTER		
COURSE NUMBER	NAME OF THE COURSE	COURSE OUTCOME
ANTH-101 (T)	EVOLUTIONARY ANTHROPOLOGY	To acquire the conceptual knowledge regarding: Historical and contemporary theories of evolution. Relevant fossils for study of human evolution. Issues related to race and human variation. Molecular markers use in study of human variation.
ANTH-102 (T)	SOCIAL AND CULTURAL ANTHROPOLOGY	This course introduces the students to the nature, scope, branches, development, basic concepts and applications of social/cultural anthropology as well as social/cultural institutions as a general component of its subject matter.
ANTH-103 (T)	ARCHEAOLOGICAL ANTHROPOLOGY	To acquire the conceptual knowledge regarding: Theoretical framework to understand human's past. Intellectual history of the

		<p>study of human origin.</p> <p>Various stages in the development of tools and technology.</p> <p>Prehistoric past of Indian subcontinent.</p>
ANTH-104 (P)	PRACTICAL-PHYSICAL ANTHROPOLOGY	<p>To give hands on training to the students on:</p> <p>Measurements of body, skull and somatoscopy and application of such skills, measurements of body relevant to the study of human growth and bio-medical studies. To give hands on training to the students on:</p> <p>Diagrammatic representation of human bones and various techniques of bone measurements.</p>
ANTH-105 (P)	PRACTICAL-ARCHEAOLOGICAL ANTHROPOLOGY	<p>To provide hands on training on:</p> <p>Identification of rocks/minerals.</p> <p>Diagrammatic representation of tools.</p> <p>Technical representation of tools.</p> <p>Description of tools and tool typology.</p> <p>Measurement of tools and calculation of indexes.</p> <p>Measurement of Flakes.</p> <p>Cataloguing of stone tools and artifacts.</p>
SECOND SEMESTER		
COURSE NUMBER	NAME OF THE COURSE	COURSE OUTCOME
ANTH-201 (T)	ANTHROPOLOGY OF INDIA	<p>To trace the emergence and development of anthropology in India,</p> <p>To analyze and understand the shifts in the subject matter and the factors of such,</p> <p>To study the racial and linguistic diversity of India,</p> <p>To understand the historicity and politics of social and</p>

		identity formation of Indian societies.
ANTH-202 (T)	LINGUISTIC ANTHROPOLOGY	To familiarize with key ideas, concepts and methods of linguistic anthropology, To understand the relationship between language, thought and culture, To acquaint students with the diversity and complexity of languages, To inculcate a working understanding of the subject to be able to confront any phenomena both academic as well as non-academic.
ANTH-203 (T)	ANTHROPOLOGICAL GENETICS	To acquire the conceptual knowledge regarding: Technologies related to molecular genetics. Data analysis and interpretation of molecular human genetics. Human medical genetics. Fundamental of population genetics.
ANTH-204 (T)	DEMOGRAPHIC ANTHROPOLOGY	To acquire conceptual knowledge on: Demographic theories and its applications to anthropology. Sources of demographic data. Components of population change. Application and Analysis of Demographic data in anthropological research.
ANTH-205 (P)	PRACTICAL- ANTHROPOLOGICAL GENETICS	To provide hands on training on: Detection of biochemical markers such as blood group, PTC. Study of colour blindness. Study of dermatoglyphics Pedigree analysis Karyotyping.
THIRD SEMESTER		
COURSE NUMBER	NAME OF THE COURSE	COURSE OUTCOME

ANTH-301 (T)	RESEARCH METHODOLOGY	This paper allows exposure and experience of: The process of data collection through different methods, The analysis of data for inference and reporting.
ANTH 302.1 (T)	PHYSIOLOGICAL ANTHROPOLOGY	To acquire conceptual knowledge on: Concepts of human physiology. Work physiology. Physical fitness and aging Physical response to various stresses. Physiological adaptations to various environments. Research methodologies of human physiological studies.
ANTH-302.2 (T)	ANTHROPOLOGICAL THEORIES	This course introduces the students to post-modern and emerging theories in Anthropology, which have contributed to emergence of social-cultural anthropology as a specialized branch of knowledge.
ANTHC- 303.1 (T)	HUMAN POPULATION GENETICS	This course introduces the students to post-modern and emerging theories in Anthropology, which have contributed to emergence of social-cultural anthropology as a specialized branch of knowledge.
ANTHC-303.2 (T)	HUMAN GROWTH AND DEVELOPMENT	To acquire conceptual knowledge on: Concepts on human growth and development. Factors that affect human growth and development. Gene-environment interaction on human growth and development. Research methods for growth studies.
ANTHC-303.3 (T)	SPORTS ANTHROPOLOGY	To acquire conceptual knowledge on:

		<p>Kinanthropometry and its application to sports science. Biomechanics fundamentals and principles and its application to sports.</p> <p>Human anatomy and its application to performance and injury reduction.</p> <p>Application of nutrition science in sports science</p>
ANTHC-303.4 (T)	MEDICAL GENETICS	<p>Concepts related to medical genetics research. Genetics of cardiovascular diseases and Cancer. Role of RNA in medical genetic research. Concept of epigenetics and its application is medical genetics research</p>
ANTHC-303.5 (T)	MEDICAL ANTHROPOLOGY	<p>This course introduces the students about the fundamental concepts of medical anthropology by imparting knowledge on social ecology of health, health culture, ethnomedicine, cultural context of health and illness, and health care services in India.</p>
ANTHC-303.6 (T)	BUSINESS ANTHROPOLOGY	<p>To acquire knowledge on: Organization behavior and management. Business innovation process. Principles of innovation in business. Entrepreneurship and its Determinants Consumer behaviour and marketing research.</p>
ANTHC-303.7 (T)	ECONOMIC DEVELOPMENTAL ANTHROPOLOGY AND	<p>To account the history and development of economic anthropology, To familiarize with the basic ideas and concepts and different approaches to understand economic systems,</p>

		To learn and analyze the theories of development and development aid, To understand the relationship amongst culture, economy and development.
ANTHC-303.8 (T)	TRIBES IN INDIAN CONTEXT	This course introduces the students to conceptualize the Tribe and to know about the Tribal culture of India from the Indian perspective. It has specially focused to understand the social and cultural changes as taking place in the Tribal societies of India as well as to address the problems of the Tribal people from the Indian perspective.
ANTHC-303.9 (T)	ANTHROPOLOGY OF HUMAN RIGHTS	The paper is focused to develop the concept and practical application of Anthropological knowledge in the awareness of human rights. It has been framed to build up consciousness and protection of human rights, in wider social context, to establish the culture of peace and intercultural integrity.
ANTHC-303.10 (T)	URBAN ANTHROPOLOGY	The prime objective of the paper is to know about the history of urban development, urbanization process in Indian context. Further a special focus has been given on the emerging social problems of urban poverty, slums.
ANTHC-303.11 (T)	ECOLOGY AND SOCIETY	This course introduces the students to understand the relation between ecology and development. It is further focused to analyze in detail about the relationship between nature and culture. Further, the conceptual framework related to ecological sustainability and dilemma between

		development and conservation has been theoretically addressed
ANTH-304.1 (P)	PHYSIOLOGICAL ANTHROPOLOGY	Hands on training on: Measurements/ calculation of various variables required for human physiological research and studies. Introduction to equipment used in human physiological research.
ANTHC-304.2 (P)	APPLICATION OF SOCIAL AND CULTURAL ANTHROPOLOGY	To equip with skills of identification and description of specimens and their maintenance and care, To learn the importance of museums and the aspects of national heritage. In the contemporary period a number of indigenous cultural practices are on the way of extinction. Adequate documentation about such practices are required for their preservation as well as a source of digital data base to the outer world. The paper is focused on these core objectives.
FOURTH SEMESTER		
COURSE NUMBER	NAME OF THE COURSE	COURSE OUTCOME
ANTH-401	DISSERTATION	To train the students to carry out anthropological research by undertaking fieldwork with a particular research topic and to develop the data into a dissertation.

Note:

- Each theory and practical paper shall consist of 100 marks (End session-60, Internal-40)
- Each theory paper consists of four (04) units.
- The optional papers offered will be subject to the availability of faculties specialized in the concerned field.

Abbreviations used:

- ANTH-Anthropology
- ANTHC- Choice based paper in Anthropology
- T = Theory paper

- P = Practical paper

FIRST SEMESTER

ANTH- 101 (T): EVOLUTIONARY ANTHROPOLOGY

Credit =4

Full marks =100

Unit I: History and development of Physical Anthropology: Aim, scope and its relationship with allied disciplines. History of Evolutionary Thought; Theories of Evolution: Lamarckism, Neo-Lamarckism, Darwinism, Neo-Darwinism, Neutral Theory of evolution; Natural genetic engineering theory. Evolutionary development biology (Evo-Devo)

Unit II: History of the concept of Race; History of scientific racism and its applications in policy making; UNESCO statement of race. Classical, Chemical and Molecular markers of human genetic variations. Molecular human genetics and the Concept of Race.

Unit III: Classification, characteristics and distribution of living Primates; Primate fossils; Primate behaviour; Human mating behaviour. Functional Skeletal anatomy of Human and non-human primates; Primate Locomotion. Theories of the origin of Bipedalism.

Unit IV: Conditions and process of fossil formation; Fossils study: Distribution, Characteristics and Phylogenic status of Sahelanthropust Chadensis, *Orrorintugenensis*, *Ardipithecus ramidus*, Australopithecines and Paranthropus. *Homo habilis*, *Homo ergaster*, *Homo erectus*, *Homo neanderthalensis*, *Homo heidelbergensis*, *Homo sapiens*; Palaeopathology. Theories of the origin of modern *Homo sapiens*.

Suggested Readings:

Larsen Spencer Clark, 2010. *A Companion to Biological Anthropology*. Wiley-Blackwell, UK.

Larsen Spencer Clark, 2010. *Essentials of Physical Anthropology*. WW Norton & company, Inc.

Mark Stoneking. 2016. *An introduction to molecular Anthropology*. Wiley Blackwell.

Marks Jonathan, 1995. *Human Biodiversity*. Walter de Gruyter Inc. New York.

Muehlenbein Michael, 2010. *Human evolutionary Biology*. Cambridge university press, USA

Noel Cameron, 2002. *Human Growth and Development*. St. Louis, Academic press.

Swindler D.A, 1998. *Introduction to Primates*. University of Washington press.

ANTH-102 (T): SOCIAL AND CULTURAL ANTHROPOLOGY

Credit =4

Full marks =100

UNIT I: Development of social-cultural anthropology. Different sub fields of social-cultural anthropology: Relationship with different other disciplines. Basic concepts: Society, Community, Association, Social structure, social organization, social institution, social groups, culture, components of culture, diffusion, acculturation, syncretism, multiculturalism

UNIT II: Family, Marriage and Kinship: Definition, types and functions of family; Definition, types and rules of marriage, marriage payments; Kinship: Definition of Kinship, Types and degrees of Kinship, Kinship terminologies, Kinship usage, Descent.

UNIT III: Religion and Magic: Anthropological approaches to the study of Religion; Theories of origin of Religion. Function of Religion. Animism, Animism, Animatism, Bongaism, Totemism; Magic, Sorcery and witchcraft; Magico-Religions Specialists.

UNIT IV: Economic Organization and Political organization: Characteristic features of primitive economy; Division of labour; Concept of property and inheritance; Different types of subsistence economy.

Traditional political organization of the tribes; Social control; traditional and modern political system. Patterns of political organization, customary law and social sanction.

Suggested Readings:

Auge, M. (1998) *A Sense of the Other*; Cambridge: University Press

Auge, M. (1999) *An Anthropology for Contemporary Worlds*; Cambridge: University Press.

Beatle, J. (1966) *Other Culture*, London: RKP.

Ember, C.R. and M. Ember (1981) *Cultural Anthropology*, New Jersey: Prentice Hall.

Fox, R. (1967) *Kinship and Marriage: An Anthropological Perspective*; Harmondsworth: Penguin Books.

Gough, K. (1959) 'Nayars and the Definition of Marriage', in *Journal of Royal Anthropological Institute*: 89:23-24

Keesing, Felix (1958) *Cultural Anthropology*, New York: Rinehart.

Kuper, A. (1988) *Culture: The Invention of Primitive Society: Transformation of an Illusion*. London: Routledge.

- Kuper, A. (1999) *Culture: The Anthropologist's Account*. London: Harvard University Press.
- Leach, E. R. (1961) *Rethinking Anthropology*. London: Athlone Press.
- Leach, E. R. (1986) *Social Anthropology*. Glasgow: Fontana Press.
- Lewis, I.M. (1990) *Social Anthropology in Perspective*. Cambridge: University Press.
- Parkin, R. And L. Stone (2004) *Kinship and Family: An Anthropological Reader*; Oxford: Blackwell Publishers.
- Rapport, Nigel and J. Overing (2000) *Social and Cultural Anthropology: The Key Concepts*. London: Routledge.
- Schneider, D. And K. Gough (1961) *Matrilineal Kinship*. Berkeley: University of California Press.
- Uberoi, P. (Ed.) (1993) *Family, Kinship and Marriage in India*. Delhi: OUP. Publishers.
- Williams, R. (1990) *Cultural Anthropology*. New Jersey: Prentice Hall.

ANTH- 103(T): ARCHAEOLOGICAL ANTHROPOLOGY

Credit =4

Full marks =100

UNIT I: Anthropological Archaeology: Aim, Scope and its relationship with other allied disciplines. History of human origin research; Stratigraphy, Palaeo Environment, Dating methods, Exploration, Excavation and Preservation, Techniques and technologies of tool making. Typology of artifacts and tools. Introduction to Cognitive archaeology.

UNIT II: Processual Archaeology, Post-Processual Archaeology, Interpretive Archaeology, Feminist Archaeology, Marxist Archaeology, Ethno-Archaeology, Environmental Archaeology, Community archaeology.

UNIT III: Palaeolithic of Africa; Lower Palaeolithic culture, Middle Palaeolithic culture and Upper Palaeolithic culture, Mesolithic culture and Neolithic culture of Europe; Palaeolithic Art of Europe.

UNIT IV: Prehistory of India: Lower Palaeolithic, Middle Palaeolithic, Upper Palaeolithic; Palaeolithic art; Mesolithic and Neolithic cultures. Indus valley civilization. Hoabinhian culture. Neolithic of China. Cognitive ability of Paleolithic period.

Suggested Readings:

- Bhattacharya, D.K (1978) *Emergence of Culture in Europe*, Delhi, B.R. Publication.
- Bhattacharya, D.K. 2008. *An outline of Indian Prehistory*. Delhi; PalakaPrakashan.
- Debenath, Andre and Dibble, Harold. L. 1993. *Handbook of Palaeolithic Typology*. University of Pennsylvania. Philadelphia.
- Gamble Clive, 2008. *Archaeology: The Basics*. Routledge 2nd edition.
- Ihizan, M.L, M.R. Ballinger, H. Roche and J. Tixier 1999. *Technology and terminology of knapped stone*. France: cercle de Recherches et d' Etudes Prehistoire.
- Milisauskas Sarunas, 2011. *European Prehistory: A survey*. Springer. 2nd edition.
- Pappu, S.Raghunath 2001. *Acheulian Culture in peninsular India*. Delhi: D.K. Printworld (P) Ltd.
- Phillipson, David, 2005. *African Archaeology*. University of Cambridge.
- Roskams, Steve (2001). *Excavation (Cambridge Manuals in Archaeology)*: Cambridge University Press.
- Sankalia, H.D. 1974. *Prehistory and Protohistory of India and Pakistan*. Pune: Deccan College.

ANTH-104 (P): PRACTICAL-PHYSICAL ANTHROPOLOGY**Credit =4****Full marks =100****GROUP-A: SOMATOMETRY, CRANIOMETRY AND SOMATOSCOPY**

1. Introduction to anthropometry: historical development and applications/ relevance
2. Study and measurements of various dimensions of the head (the course instructor will select the required dimensions).
3. direct measurement on cranium
4. indirect measurement on cranium
5. measurements on lower jaw
6. Angular measurements on cranium
7. Angular measurements on craniograph
8. Somatoscopic observations of various physical traits.
9. Direct and indirect measurement of size and shape measurements
10. Calculation and determination of growth ratio.

GROUP-B: OSTEOLOGY AND OSTEOMETRY

1. Description and identification of the disarticulated skeletal anatomy of man.
2. Assessment of sex from skull, mandible and long bones.
3. Assessment of age of skull and Mandible.
4. Measurements on the following bones:
 - a. Long bones
 - b. Flat bones
 - c. Irregular bones

ANTH-105 (P): PRACTICAL- ARCHEAOLOGICAL ANTHROPOLOGY

Credit =4

Full marks =100

1. Fundamentals of line drawing/ draftsmanship
2. Identification of rocks/ minerals
3. Diagrammatic representation, description and tool typology of: -
 - a. Lower Palaeolithic culture.
 - b. Middle Palaeolithic culture.
 - c. Upper Palaeolithic culture.
 - d. Mesolithic culture
 - e. Neolithic culture
4. Measurement of tools and calculation of indexes
5. Measurement of Flakes
6. Cataloguing stone tools

SECOND SEMSTER

ANTH-201 (T): ANTHROPOLOGY OF INDIA

Credit =4

Full marks =100

UNIT I: History of Anthropology in India: Emergence and development (phases and traditions); Colonial and post colonial traditions; Racial classification – meaning and relevance, racial classification of India – H. Risley, B. S. Guha, S. Sarkar; Approaches to study the Indian society; Anthropology and nation building.

UNIT II: Concept of tribe and caste; The Varna–Jati and caste system in India: Stratification, caste as a group and as a system of social segmentation and integration. (b) caste in modern India, change and continuity; caste and class dynamics.

UNIT III: Characteristics of rural society; salient criteria to distinguish rural society from urban society; rural and urban social formation; agrarian class structure; agrarian movements in India; village studies in India; concept of urban cosmopolitanism; gender relations; communalism

UNIT IV: Weaker section in Indian Population: Scheduled Tribes, Denotified Communities, Scheduled Castes and Other Backward Classes; Dalits' in India; exploitation, deprivation and violence against weaker section and meliorative measures; untouchability- its eradication and Dalit consciousness.

Suggested Readings:

Ahuja, Ram. 1999. *Indian Social System*. New Delhi: Rawat.

Ahuja, Ram. 1999. *Society in India*. New Delhi: Rawat.

Baviskar and tulsipatel, 2011. *Understanding Indian society*. Orient Blackswan

Das, veena, 2004. *Handbook of Indian sociology*. Oxford University Press, USA

Ghosh. G. C. 2003. *The Anthropology of Northeast India*. New Delhi: Orient Longman.

Madan, vandana, 2004. *The village in India*. Oxford University press.

Majumder, D.N. 1946. *Races and Cultures of India*. Allahbad: Kitabistan.

Majumder, D.N. 1958. *Caste and Communication in an Indian Village*. Bombay Asia Publishing House

Mishra P.K., GopālaŚaraṇa, 2004. *Studies in Indian Anthropology*. Rawat publications.

Rao, M. S. A. 2002: *Social Movements in India*. Manohar publishers.

Srinivas M.N. 2002: *Collected Essays: M.N. Srinivas*. Oxford University Press. Delhi.

Srinivas, M. N. 1952. *Religion and Society among the Coorgs of South India*.

Verma MM, 1996. *Tribal development in India: Programmes and perspectives*. Mittal Publications, India.

Vidyarthi, L. P. & B. K. Rai. 1976. *The Tribal Culture of India*. New Delhi: Concept Publishing.

ANTH- 202 (T): LINGUISTIC ANTHROPOLOGY

Credit =4

Full marks =100

UNIT I: History and development of linguistic anthropology; linguistics and anthropology; linguistic research – methods of data collection and analysis; Language change and historical linguistics, Linguistic families. Linguistic classification of India; Linguistic affinity in Northeast India.

UNIT II: Language, thought and culture: Linguistic relativity and the Boasian tradition; Neo-Whorfianism; Ethno-semantics – kinship terms, colour terminologies. Language acquisition; language socialization.

UNIT III: Ethnography of communication; Speech community; language and gender; language, race and ethnicity; Language and power dynamics, social differentiation; Literary practices and performance.

UNIT IV: Language death, factors and threats of language extinction; methods and challenges of revitalization; language and digital age. Ethical issues in linguistic research.

Suggested Readings:

Ahearn L. M. 2012 *Living Language: An Introduction to Linguistic Anthropology*. Malden MA: Blackwell.

Bauman, R. and Briggs, C.L. (2003) *Voices of Modernity: Language Ideologies and the Politics of Inequality*. Cambridge: Cambridge University Press.

Baynham, M. (1995) *Literacy Practices: Investigating Literacy in Social Contexts*. London: Longman.

Bergvall, V.L., Bing, J.M., and Freed, A.F. (eds.), *Rethinking Language and Gender Research: Theory and Practice*. London: Longman

Berlin, B. and Kay, P. (1969) *Basic Color Terms: Their Universality and Evolution*. Berkeley: University of California Press.

Bloomfield, L. (1984[1933]). *Language*. Chicago: University of Chicago Press.

Bonvillain, N. (2000) *Language, Culture, and Communication: The Meaning of Messages*. Upper Saddle River, NJ: Prentice-Hall.

Cameron, D. (2007) *The Myth of Mars and Venus: Do Men and Women Really Speak Different Languages?* Oxford: Oxford University Press.

Dorian, N.C. (1981). *Language death: The life cycle of a Scottish Gaelic Dialect*. Philadelphia, P. A.: University of Pennsylvania Press

Duranti, A. (ed.), 2001. *Key terms in Language and Culture*. Oxford: Blackwell

Duranti, A. (ed.). 2004. *A Companion to Linguistic Anthropology*. Oxford: Blackwell

Duranti, A., Elinor Ochs, and Bambi Schieffelin, (eds). 2012. *Handbook of Language Socialization*, Malden MA: Wiley-Blackwell.

Duranti, A.1997: *Linguistic Anthropology*. Cambridge: Cambridge University Press.

Gentner, D. and Goldin-Meadow, S. (eds.), *Language in Mind: Advances in the Study of Language and Thought*. Cambridge, MA: MIT Press, pp. 387–427.

Gumperz, J. J. and Levinson, S.C. (eds.). 1996. *Rethinking Linguistic Relativity*. Cambridge: Cambridge University Press

Johnson, S. and Meinhof, U. (eds.), *Language and Masculinity*. Oxford: Blackwell

W. H. Goodenough (ed.), 1964. *Explorations in Cultural Anthropology*.

Whorf, Benjamin 1941. The Relation of Habitual Thought and Behavior to Language. In *Language, Culture and Society: A Book of Readings*, Ben G. Blount, ed. Prospect Heights, IL: Waveland Press, 64-84.

ANTH- 203 (T): ANTHROPOLOGICAL GENETICS

Credit =4

Full marks =100

UNIT I: Chromosomes, Gene, DNA – replication, transcription and translation, genetic code, gene expression; Mutation; Chromosomal aberrations - Numerical and Structural. DNA finger printing technology – DNA extraction, PCR, Electrophoresis, Automated DNA sequencing; Ancient DNA and aDNA technology. Human genome Project and Post Genomic phase. Genetic screening and counselling.

UNIT II: Mendelian Inheritance in humans: Simple Autosomal Inheritance (Dominant, Recessive and co-dominance), Sex Linked Inheritance; Polygenic and multifactorial Inheritance; Variability in gene expression: Penetrance and Expressivity; Pleiotropism, Epistasis; Sex-influenced and Sex-limited genes.

UNIT III: Markers of human variation: Classical markers – ABO and RH blood groups polymorphism, HLA polymorphism, Haptoglobin polymorphism, G6PD polymorphism, Sickle cell anemia; Molecular markers – RFLPs, VNTRs, STRs, SNPs, CNVs, mtDNA, Y chromosomal DNA markers. Molecular genetics of Single gene disorders – Huntington's Chorea, Haemophilia; Molecular genetics of complex diseases – Cancer, Diabetes, CVDs.

UNIT IV: Hardy – Weinberg principle and its application in Human genetics; Evolutionary factors: Natural selection, Mutation, Hybridization, Genetic drift; Polymorphism: Transient and balanced polymorphism; Inbreeding and its effect.

Suggested Readings:

Conde Camilo, F.J. Ayala, 2007. *Human Evolution*. Oxford university press, New York.

Crawford Michael, 2007. *Anthropological Genetics*. Cambridge University Press, USA.

Crow, James F, Motoo Kimura, 1970. *An introduction to population genetics theory*. Harper and Row.

Gillespie John H,1998. *Population genetics: A concise guide*. The John Hopkins university press, London.

Larsen Spencer Clark, 2010. *A Companion to Biological Anthropology*. Wiley-Blackwell, UK.

Mielke James, Lyle W. K, John H. Relethford. 2006. *Human biological variation*. Oxford university press. New York.

Muehlenbein Michael, 2010. *Human evolutionary Biology*. Cambridge university press, USA

Richards Julia E and R. scott Hawley, 2011. *The Human genome: A user's guide*. Elsevier, san Diego.

ANTH-204 (T): DEMOGRAPHIC ANTHROPOLOGY

Credit =4

Full marks =100

UNIT I: Emergence and development: Demographic anthropology – definition and scope; Relationship between anthropology and demography and other allied disciplines; Theories of population – classical theories, biological theories and social theories, demographic transition theory. Applied demography.

UNIT II: Sources of demographic data: Primary sources – census, civil and vital registration systems, National sample surveys (NSS), sample registration and modal surveys; Secondary sources – demographic yearbook, Population Bulletin; Major producers of data – UN, World bank, US Census Bureau, National government and agencies.

UNIT III: Population composition: Age and sex composition – concepts, definition and challenges/ pitfalls, measurement and methods of analysis; Racial and ethnic composition, religion and language – concept and definition, relevance and application; Life expectancy and life tables.

UNIT IV: Components of population change – definition, data source and estimation, factors of change and issues: Fertility, Mortality and Migration; Morbidity – relationship with fertility and mortality. Population projections, current trends and growth.

Suggested Readings:

Murdock Steve, David Swanson, 2008. *Applied Demography in 21st Century*. Springer.

Shryock, H.S and Siegel JS, 1971: *The methods and materials in Demography*.

Srivastava O.S, 2007. *Demography and population studies*. Quality publishing company.
(1994 edition, if not available)

ANTH-205 (P): ANTHROPOLOGICAL GENETICS

Credit =4

Full marks =100

1. ABO, MN and Rh blood group system
 2. PTC
 3. Colour Blindness test
 4. Pedigree analysis for studying the mode of inheritance
 5. Karyotyping
 6. Dermatoglyphics
 - a. Identification of pattern type
 - b. Ridge counting
 - c. Calculation of various indices
 - d. Taking palmer prints
 - e. Identification of palmar main lines
 - f. Calculation of main line formula
 - g. Main line index
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THIRD SEMESTER

COMMON PAPERS: ANTH- 301, ANTH-305 and ANTH-306

ANTH-301 (T): RESEARCH METHODOLOGY

Credit =4

Full marks =100

UNIT I: Concept of Research, Research, paradigm and Theory, Formulation of hypothesis, Quantitative and Qualitative Research; Research problem, Research design and proposal; Research ethics.

UNIT II: Nature of anthropological research. Fieldwork traditions, field notes and the makings of anthropology; Ethnographic research; reflexive ethnography; multi-sited fieldwork; fieldwork ethics.

UNIT III: Data and types of data; methods for data collection: Observation, Interview, Questionnaire, Survey methods; Case studies; Focus Group Discussion; Oral narratives; genealogy, historical and archives; Sampling techniques Literature review and Bibliography.

UNIT IV: Data analysis: qualitative data analysis – interpretive, and performance, content analysis, grounded theory; models and matrices. Quantitative data analysis – measures of central tendency (Mean, Median, Mode), Standard deviation, Measure of deviation, Measure of association. Tabulation, visual and Diagrammatic Representation; Report and Review writing.

Suggested Readings:

- Barnes, J. A. (1977) *The Ethics of Enquiry in Social Sciences*. Delhi: OUP.
- Bernard Russell, 2006. *Research Methods in Anthropology*. Altamira press.
- Burgess, R.G. (1984) *In the Field: An Introduction to Field Research*. London: Routledge.
- Burn Robert, 2000. *Introduction to Research Methods*. SAGE Publications Ltd
- Epstein, A.L. (1978) *Crafts in Social Anthropology*. Delhi: Hindustan Publishing Corporation.
- Freedman David, Robert Pisani, Roger, 2007. *Statistics* WW Nordon & company inc.
- Gibson W J & A. brown, 2009. *Working with Qualitative Data*. London Sage.
- Miller, D.C. and N.J. Salkind (2002) *Handbook of Research Design and Social Measurement*. Sage.
- Pelto, P.J. (1970) *Anthropological Research: The Structure of Enquiry*. New York: Harper and Sons.
- Sarana, G. (1975) *The Methodology of Anthropology*. New York: The University of Arizona Press
- Sinha Suresh & A.K. Bhiman: *Research Methodology*. Vol I & II.
- Srivastava, V.K. (1994) *Methodology and Fieldwork*. Oxford University Press.

ANTH-305: MASSIVE OPEN ONLINE COURSE [MOOC]

Credit =2

Full marks = 50

All the students have to compulsorily register on the SWAYAM platform and have to select an offered course from the platform.

ANTH-306: INTERNSHIP

Credit =2

Full marks = 50

Students should complete an internship for at least 2 weeks to 4 weeks from the 1st to 3rd semester (at any time), but the credit will be added in the 3rd semester only. It would be completed in any industry/ research institute/university/ NGOs/ Civil societies/ Village outreach for upgrading skills.

SPECIAL PAPERS IN PHYSICAL ANTHROPOLOGY

ANTH- 302.1 (T): PHYSIOLOGICAL ANTHROPOLOGY

Credit =4

Full marks =100

UNIT I: Fundamentals of Work Physiology: Cardio-vascular and respiratory endurance, haemodynamics and exercise (blood pressure, pulse rate, heart rate and oxygen- transporting system, blood flow, Hb, haematocrit). Physical working capacity and physical fitness methodology: evaluation of response and adaptation of the body to stress of exercise. Ageing and health related aspects of exercise.

UNIT II: Health and fitness; Variations in respiratory functions with age, sex and environment; Interrelationship of body measurements with respiratory functions. Impact of smoking, alcohol, air pollution and occupation on cardio-respiratory functions.

UNIT III: Regulation of body weight: energy expenditure and physical activity. Physical performance and environmental stress: heat stress, cold stress and high altitude, chronic diseases, malnutrition.

UNIT IV: Body composition: methods of assessment; environmental and genetic contribution to obesity; treatment and prevention and management; Global prevalence and secular trends in obesity; regulation of body weight- energy expenditure and physical activity.

Suggested Readings:

Case, RM, Ed 1985. *Variations in Human Physiology*. Manchester University Press.

Davson Hugh, Eggleton, M Grace. Lea &Febiger 1968. *Principles of Human Physiology*

Functions

Nageswari, K Sri; Sharma Rajeev, 2006. *Practical workbook of Human Physiology*. Jaypee Brothers. Medical Publisher.

Sherwood, Lauralee, 2008. *Human Physiology: From Cells to Systems* Brooks Cole.

Tudor Hale, 2003. *Exercise Physiology*. John Wiley & Sons Inc, England.

Vander, Arthur J; Sherman, James H; Luciano, Dorothys, 1978. *Human Physiology: The Mechanisms of Body* McGraw-Hill Education.

ANY ONE PAPER UNDER THE CHOICE BASED SYSTEM FROM 303.1 TO 303.4

ANTH- 303.1(T): HUMAN POPULATION GENETICS

Credit =4

Full marks =100

UNIT I: Historical development of population genetics; Concept of genes, Concept of species, Mendelian populations; Concept of Hardy-Weinberg equilibrium; Testing equilibrium and measuring departure from it. Application of Hardy-Weinberg law in human population genetics.

UNIT II: Genetic polymorphism- basic concept of transient and balanced polymorphism. Natural selection, Darwinian fitness, selection relaxation, selection leading to change in gene frequency, and selection leading to change in genetic equilibrium. Models explaining the maintenance of genetic polymorphism (sickle cell and malaria).

UNIT III: Genetic isolates; Mutation-Mutation rate, Mutation Models for discrete alleles and DNA sequence, Muller's Ratchet; Genetic drift- Models of genetic drift, Effective population size; Gene flow/ Migration. Haldane's dilemma. Genetic load.

UNIT IV: Selectionist-Neutralist debate; Historical controversies in population genetics. Consanguinity and inbreeding - (definitions and concept) Genetic consequences of inbreeding in human population, inbreeding coefficient and genetic load. Measurers of Genetic diversity and tool used for Phylogenetic analysis. Inference of demographic history.

Suggested Readings:

Crow, James F, Motoo Kimura, 1970. *An introduction to population genetics theory*. Harper and Row.

Gillespie John H, 1998. *Population genetics: A concise guide*. The John Hopkins University press, London.

Hamilton Matthew, 2009. *Population genetics* Wiley Blackwell.

Jobling, M., Hollox, E., Hurles, M., Kivisild, T. and Tyler-Smith, C. 2014. *Human Evolutionary Genetics* Garland Science, New York/London.

Stoneking, Mark. 2016. *An Introduction to Molecular Anthropology*. Wiley-Blackwell

ANTH- 303.2(T): HUMAN GROWTH AND DEVELOPMENT

Credit =4

Full marks =100

UNIT I: Basic concepts of growth and development. Historical Background for the Study of Human Growth. Longitudinal Studies. Statistical Approaches. Technological Developments in Research Related to Growth. Current research methods for growth studies.

UNIT II: Stages of human growth: Prenatal Stages, Birth, Postnatal Life, Aging and Senescence. Catch up growth. Vertebrate and mammalian Foundations for human growth. Uniqueness of human growth spurt. Endocrinology of Growth.

UNIT III: Body Proportions. Secular Trends. Body composition. Population variation in body composition. Adaptive value of body Size in various populations. Somatotyping. Effect of stress on Human Growth; Trade-Offs in Human Growth and Development.

UNIT IV: Theories of human growth and development. Environmental and biological factors influencing Human Development. Growth and development difference between human and nonhuman primate, sex and human populations. Genetics of Human Development.

Suggested Readings:

Barry Bogin (2021) *Patterns of Human Growth Third Edition*. Cambridge University Press

C. S. Larsen, ed., *A Companion to Biological Anthropology*, Wiley-Blackwell.

Crews, D. E. (2003). *Human Senescence: Evolutionary and Biocultural Perspectives*, Cambridge: Cambridge University Press.

Lampl M, Veldhuis JD, Johnson ML. Saltation and stasis: A model of human growth. *Science*.1992;158:801–803.

Noel Cameron (2002) *Human Growth and Development*. Academic Press.

Pedro Rosso (1994) *Nutrient Regulation during Pregnancy, Lactation, and Infant Growth*. Springer.

Sara Stinson et al (2012) *Human biology: An evolutionary and biocultural perspective*. John Wiley & Sons, Inc., Hoboken, New Jersey

ANTHC-303.3 (T): SPORTS ANTHROPOLOGY

Credit =4

Full marks =100

UNIT I: Body size, shape, composition, growth and maturation and their measures; Somatotyping; Human musculoskeletal system, joints and articulation, The Dynamics of Running. Assessment of posture and flexibility, Field methods of assessing physical activity and energy balance, Assessment of performance in team games. Scaling: adjusting physiological and performance measures for differences in body size.

UNIT II: Biomechanics of movement, Anatomical description and its limitations, Fundamentals and Principles for the application of biomechanics; Applications of biomechanics. Biomechanical foundations of strength and power training, Mechanical properties and performance in skeletal muscles, Muscle-Tendon architecture and athletic performance, Stretch–Shortening Cycle (SSC) of muscle function.

UNIT III: Qualitative and quantitative analysis in biomechanics. Body composition and athletes; Factors affecting performance: physiological factors, environmental, training and conditioning techniques; Principles of throwing, hitting and kicking, Mechanisms of Musculoskeletal Injury Sport-Related Spinal Injuries and Their Prevention; Impact Propagation and its Effects on the human body.

UNIT IV: Macro nutrients, Vitamins: Metabolic functions, Minerals, Fluid and Electrolyte Balance, Effects of dehydration and rehydration on performance, Rehydration and recovery after exercise. Exercise-induced oxidative Stress and antioxidant nutrients, Caffeine and Alcohol in Sport,

Suggested Readings:

Duane Knudson, 2007. *Fundamentals of Biomechanics*. Springer.

Edward M. Winter et al. 2007. *Sport and exercise physiology testing guidelines*. Routledge

Jacky Forsyth and Claire-Marie Roberts. *The Exercising Female: Science and Its Application*. Routledge

John Mclester; Peter St. Pierre, 2008. *Applied Bio-mechanics concepts & connections*. Wadsworth Publishing Co.

Peter M. McGinnis. 2013. *Biomechanics of sport and exercise* (3rd edition) Human Kinetic.

Robert R. Sands and Linda R. Sands. 2010. *The Anthropology of Sport and Human Movement: A Biocultural Perspective*. Lexington Books

Roger Eston and Thomas Reilly. 2009. *Kinanthropometry and Exercise Physiology Laboratory Manual*. (Vol 1 & 2) Routledge

Ronald J. Maughan .2000. *Nutrition in sport*. Blackwell Science Ltd

Vladimir M. Zatsiorsky. 2000. *Biomechanics in sport*. Blackwell Science Ltd

ANTHC- 303.4 (T): MEDICAL GENETICS

Credit =4

Full marks =100

UNIT I: History of Sickle cell genetics research, Gene expression, Regulatory RNA, Regulation of gene expression, Gene–Environment Interactions, Association studies, candidate genes, Genetic analysis of quantitative traits, Model organism, Genomics.

UNIT II: Distribution, trends, and determinants of cardiovascular disease, Gene–Environment Interactions in cardiovascular disease, Biochemistry and genetics of diabetes, hypertension, and coronary heart disease, Next-Generation Sequencing in Cardiovascular Disease Research.

UNIT III: Cancer as a genetic disease, Inherited predisposition to cancer, Cell protection mechanisms in cancer, Oncogenes, Tumor Suppressor Genes, Cancer Pathways, Apoptosis and Replicative Senescence in Cancer, , Cancers of the skin, Colon, Bladder, Liver, Breast, and nasopharyngeal.

UNIT IV: Epigenetics, Mechanisms of epigenetic inheritance, DNA methylation, Hereditary and Epigenetic Mechanisms in the Regulation of Gene Expression, Case Studies on Epigenetic Inheritance. Epigenetic Dysregulation in Aging and Cancer.

Suggested Readings:

Wolfgang A Schulz. 2005. *Molecular biology of human cancers*. Springer

Alexander G. Haslberger. 2010. *Epigenetics and Human Health*. WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim

John Mattick and Paulo Amaral. 2023. *RNA, the Epicenter of Genetic Information: A new understanding of molecular biology*. CRC Press

Darwin R. Labarthe. 2011. *Epidemiology and Prevention of Cardiovascular Diseases: A Global challenge*. Jones and Bartlett Publishers

Mark Sanders and John Bowman. 2017. *Genetic analysis: An integrated approach*. Pearson.

ANTH-304.1 (P): PHYSIOLOGICAL ANTHROPOLOGY

Credit =4

Full marks =100

1. Measurement of human body composition
 - a. Simple indices of body fat distribution
 - b. Bioelectrical impedance analysis
2. Somatotyping
3. Flexibility measurements
4. Blood pressure
5. Heart rate/pulse rate
6. Hand Grip strength
7. Tidal volume
8. Vital capacity/forced vital capacity
9. Timed Expiratory volumes
10. Lung and respiratory muscle function
11. Strength testing
12. Exercise pressor response

Readings:

Edward M. Winter et al.2007. *Sport and exercise physiology testing guidelines*. Routledge

Roger Eston and Thomas Reilly. 2009. *Kinanthropometry and Exercise Physiology Laboratory Manual*.Routledge.

SPECIAL PAPERS IN SOCIAL AND CULTURAL ANTHROPOLOGY

ANTH-302.2 (T): ANTHROPOLOGICAL THEORIES

Credit =4

Full marks =100

UNIT I: Philosophical foundation of Anthropological Theories- Ontology, Epistemology, Phenomenology; Synchronic and Diachronic approach; Ideographic and Nomothetic approach; Inductive and Deductive principle; Comte, Marx, Durkheim;

Classical Anthropological Theories: i) Evolutionism- Unilinear, Universal and Multi-linear; ii) Diffusionism: British, German and American Diffusionary school.

UNIT II: Structural and Functional School: i) Structural Functionalism by A.R. Radcliffe Brown; ii) Functionalism and concept of need by B.K. Malinowski; iii) Social structure and social organisation by Raymond Firth, S.F. Nadel, E.E. Evans Pritchard. iv) Structuralism by Levi Strauss and Post structuralism E. Leach.

UNIT III: Psychological school of thought: i) Ruth Benedict ii) Margaret Mead iii) Ralph Linton, iv) Abraham Kardiner, v) Alice Cora Du Bois.

Civilization school of thought: Robert Redfield, MacKim Marriott, Milton Singer, Oscar Lewis, Morris Opler.

UNIT IV: Contemporary Cultural Approach- Symbolism and Interpretative theory: Clifford Geertz, Victor Turner, Mary Douglas, Gananath Obeyesekere; Concept of deep ecology and shallow ecology.

Globalization, Culture and Risk Society: Globalization by Arjun Appadurai, Risk society by Ulrich Beck.

Post modern theory: Michael Foucault, Pierre Bourdieu, Jacques Derrida, Jean Baudrillard, J.F. Lyotard.

Suggested Readings:

Barnard Alan, 2000. *History and Theory in Anthropology*. Cambridge university press. U.K.

Bloch, Maurice, 1983. *Marxism and Anthropology: The history of a relationship*. Clarendon press.

Clifford, James and G.E.Marcus (eds.) 1986. *Writing Culture: the Poetics and Politics of Ethnography*, The University of California Press.

Evans Pritchard and Andre Singer 1981. *A History of Anthropological Thought*. New York: Basic Books.

Foucault Michel 1992. *The Order of Things*. Routledge, London.

Geertz, Clifford 1973. *Interpretation of Cultures*, New York: Basic Books.

Geertz, Clifford 2001. *The Interpretation of Cultures: Selected Essays*. Basic Books, New York.

Harris Marvin, 2001. *The rise of Anthropological Theories*. Altamira press

Jonathan Xavier and Renato Rosaldo, 2002. *The anthropology of globalization*. Blackwell Publishers.

Joseph Henrich.2020. *The weirdest people in the world*. Farrar, Straus and Giroux.

- Layton, Robert 1997. *An Introduction to Theory in Anthropology*, Cambridge: Cambridge Univ. Press.
- McLeod John, 2007. *The Routledge Companion to Postcolonial studies*. Routledge
- Moore, J.D. 1997. *Visions of Culture: An Introduction to Anthropological Theories and Theorists*, New Delhi: Sage.
- Moore, Jerry, 1996. *Visions of Culture*. Altamira press.
- Moore, Jerry, 2011. *An Introduction to Anthropological Theories and Theorist*. Rawat.
- Ortner, Sherry 1996. *Making Gender: The Politics and Erotics of Culture*, Boston: Beacon Press Books.
- Roy F. Baumeister .2010. *Is There Anything Good About Men?* Oxford University Press.
- Taylor, Stephen (ed.) 1987. *Cognitive Anthropology*, Prospect Heights, III: Waveland Press, pp. 1-23.
- Williams James, 2005. *Understanding Post Structuralism*. Acumen Publishing Ltd

ANY ONE PAPER UNDER THE CHOICE BASED SYSTEM FROM 303.5 TO 303.11

ANTHC-303.5 (T): MEDICAL ANTHROPOLOGY

Credit =4

Full marks =100

UNIT- I: Medical Anthropology - Historical development; development of theory in medical anthropology; definition and scope of medical anthropology; concept of health, disease and treatment; socio-cultural and environmental dimensions of health.

UNIT- II: Belief and Ethno-medicinal System, Disease etiology, Major areas of study under ethno-medicine-disease classification, diagnosis and treatment in folk societies; Culture, Illness and mental Health, Healers in Cross-Cultural Perspectives, Cultural context of health and illness behaviour; Illness behaviour- definition; Models of illness behaviour.

UNIT- III: Health related issues and problems in Rural and Urban areas, Different Health care Policies, Programmes and Services (Government of India), Health care services in India; 3-tier system of health care delivery in India. Gerontology, aging, aged and the elderly health.

UNIT-IV: Epidemiology and social ecology; Ethno-medicine and epidemiology; Application of Medical Anthropology: Case Studies in explanatory Models, Gender and Women Health, Food Habit, Cultural Dimensions. Critical Medical Anthropology.

Suggested Readings:

- Banerjee B.G. and RitulaJalota (1988) *Folk illness Ethnomedice*, New Delhi, Northern Book Centre.
- Basantibala, Jene et al. (1989) *Health and Family Welfare Service in India*, New Delhi, Ashish Publishing.
- Cockerham W.C. (1978) *Medical Sociology*, New Jersey, Prentice Hall.
- Grolling F.X. (1976) *Medical Anthropology*, The Hague, Mouton Press.
- Higgins P.C. et al (ed) (1978) *Health, Illness and Medicine; A Reader in Medical Sociology*, Chicago, Rand M.C.Nally Publishers.
- Janes R.C. Craig et al (ed) (1986) *Anthropology and Epidemiology; Interdisciplinary Approaches Study of Health and Disease*, Boston, D. Reidel Publishing Company.
- Kochar V. (1980) *Basic Trusts and Guidelines of National Health Policy; Status of Implementation*; Bombay, Tata institute of Social Sciences.
- Medhi, Dilip K. (1993) Traditional Medicine in Modern Times: The Place of Herbal and Geo-products in the life of the People of Assam. *Man and Environment in Northeast India, Vol.I* (ed. DilipK.Medhi) Guwahati& Delhi: Omsons Publications.
- Medhi, Dilip K. (2002) An Assamese Health Calendar.*Man and Environment in Northeast India, Vol.II*. Guwahati & Delhi: Omsons Publications.
- Salil Basu (ed) (1994) *Tribal health in India*. Delhi, Manak Publications.

ANTH-303.6 (T): BUSINESS ANTHROPOLOGY**Credit =4****Full marks =100**

UNIT I: Business Anthropology: Business culture; Group behavior, Organizational change, Case studies of Anthropologists' contribution in a globalized market; Present trend of business anthropology; Ethics of business anthropology.

UNIT II: The role of innovation in economy. Cross cultural analysis of creativity, Business innovation process, Institutional innovation, Opportunities of innovation in business, Principles of innovation, Factors affecting entrepreneurial creativity and innovation, Innovation in organization.

UNIT III: Entrepreneurship and its Determinants: Culture, Law, Political institution, and regulation of new entry, Entrepreneurial Culture and its Effect on the Rate of Nascent Entrepreneurship, Variables for measuring cultural orientations of business owners; Economic Freedom and Entrepreneurial Activity.

UNIT IV: Culture and consumer behaviour; Consumer culture theory; Branding; Cross cultural variations to products and promotions; Aesthetic and consumer response; Anthropology of marketing. Social entrepreneurship: Concept, Process of social entrepreneurship, Recognizing Social Opportunities.

Suggested Readings:

- Andreas Freytag I Roy Thurik. 2010. *Entrepreneurship and Culture*. Springer. New York.
- Briller S H and Amy Goldmacher 2009: *Designing an Anthropology career*. Altamira press.
- Christina Shalley, M. Hitt and J. Zhou. 2015. *Oxford handbook of creativity, innovation and entrepreneurship*. Oxford University Press.
- Ervin Alexander M 2000. *Applied anthropology: Tools and perspectives for contemporary Practice*, Boston, MA: allyn and Bacon.
- Jill Kickul and Thomas S. Lyons. 2012. *Understanding Social Entrepreneurship*. Routledge.
- Rita Denny and P Sunderland.2014. *Handbook of Anthropology in Business*. Routledge.

ANTH- 303.7 (T): ECONOMIC AND DEVELOPMENTAL ANTHROPOLOGY

Credit =4

Full marks =100

UNIT I: Emergence and development of economic anthropology. Concept of *Homo economicus* and its discontent; the formalist-substantivist debate; post-debate trajectories. Concepts of property, Money, Finance. Decisions and choice.

UNIT II: Concept of production, distribution and consumption; circulation and modes of exchange: Barter, Market, one-way economic transfer, gift exchange. Theories of value.

UNIT III: Concept of economic growth and development; culture and economic growth; religion and economic growth; gender and economy, ethnicity and economy. Theories of development: Modernization theory, Dependency and World System theory; Poverty and development.

UNIT IV: Approaches in Development Anthropology; Role of Anthropologist in Development. Aids for development – debates on its effectiveness; Relationship between Population and development. Development priorities in North-East. Cultural practices in Nagaland and its impact on development.

Suggested Readings:

Ahmed Jaynal Uddin, 2010. *Development Vision Of North East India*. Concept Publishing Company.

Bahannon, P. & G. Dalton (eds.) 1962. *Markets in Africa*. Evanstone: Northwestern University Press.

Bauer Peter 2000. *From Subsistence to Exchange* Princeton university press, New Jersey. Read chapter IV & V.

Berger Peter L and Gordon Redding 2010. *The hidden form of capital*. Anthem press, New York.

Carrier James G, 2005. *Handbook of Economic Anthropology*. Edward Elgar publishing Limited, UK.

Deb Bimal J, 2002. *Development Priorities In North-East India*. Concept Publishing Company.

Douglas, M. & B. Isherwood. 1978. *The World of Goods*. Harmondsworth: Penguin.

Harrison Lawrence E and Samuel P. Huntington, 2000. *Culture matters How values shape Human progress*. Basic Books

Peet Richard, 2009. *Theories of Development: Contentions, Arguments, Alternatives*. Guilford Press.

Pierre Jean, Olivier Sardan, 2005. *Anthropology and Development*. Zed books, New York.

Verma MM, 1996. *Tribal development in India: Programmes and perspectives*. Mittal Publications, India.

ANTH- 303.8 (T): TRIBES IN INDIAN CONTEXT

Credit =4

Full marks =100

UNIT I: Concept of Tribe- Theoretical, administrative issues; Salient characters and debates; Distribution and Classification of Indian Tribes: Racial, Economic, Geographical and Linguistic; Ethnicity and issues of Tribal identity.

UNIT II: Social structure and social organization of Indian Tribes- Concept of clan, lineage, phratry, moiety. Religious organization and concepts on Animism, Animatism, Naturism, Manaism, Shaman, Magic, Sorcery and Witchcraft.

UNIT III: Political organization- Concept of Band, Tribe, Chiefdom, State, Headman, Chieftain, Chief dome, Age grade; Oath and ordeal, codified law, traditional customary judiciary; Fifth schedule and Sixth schedule, concept of Autonomous council; Interaction between traditional and modern political organization.

UNIT IV: Tribal Development and contemporary situation - Constitutional safeguards; Tribal developmental policies and programmes; Forest Policies and its implications. Tribal Issues: Land Alienation, Indebtedness and Tribal Displacement; Traditional health care practices and indigenous knowledge system.

Tribe-Caste Continuum; Hindu method of Tribal absorption; Sanskritization and Westernization. Tribal movements in the colonial, post colonial and contemporary period.

Suggested Readings:

Bose, N. K., Tribal Life in India

Dube, S. C., *Tribal Situation in India*.

Furer-Heimendorf, C. Von, 1985. *Tribes of India*

Medhi, Dilip K., 2008. The Garos. *Men and Environment in Northeast India, Vol II*. Guwahati and Delhi: Omsons Publication.

Miri, Mrinal, 1993. *Continuity and Change in Tribal Society*. Indian Institute of Advanced Study, Shimla.

Sharma, T., 1993. Man, Society and Language in Northeast India. *Men and Environment in Northeast India, Vol II*. Guwahati and Delhi: Omsons Publication.

Singh, K.S., 1972 *Tribal Situation in India*.

Srinivas, M.N., 1952. Religion and Society Among the Coorgs of South India

Subba, Tanka B., 1999. *Between Ethnography and Fiction: Verrier Elwin and the Tribal Question in India*, New Delhi: Orient Lonman.

Xaxa, Virginius, 2008. *State Society and Tribes: Issues in Post-colonial India*. New Delhi: Dorlingkindersley, Pearson Education.

ANTHC-303.9 (T): ANTHROPOLOGY OF HUMAN RIGHTS

Credit =4

Full marks =100

UNIT-I: Definition, Attributes, Scope, Significance; Universal Declaration of Human Rights; Characteristic feature of Human Rights and social problems with special reference to South-

East Asian Countries; International Human Rights commission and National Human Rights commission of India- core focus and function.

UNIT-II: Urban poverty and child rights-Theoretical background; Basic Concepts of Urbanisation; Urbanization process; issues of industrial workers; Study on Culture of Poverty, Study on Slum and Beggars in the Urban areas; child labours, child workers and violation of child rights.

UNIT-III: Women Rights in Indian society- Theoretical background; Role, status and authority of women in tribal and non-tribal societies; Exploitation and violence against women; Women's movements in India.

UNIT-IV: Emerging Consequences: Protection and Violation of Human Rights, Dalits and the weaker section; Conflict and Conflict Resolutions, Displacement, Refugees and Human Rights.

Suggested Readings:

Beteille, Andre (ed.). 1969: *Social Inequality*. London: Penguin Books.

Beteille, Andre 1971: *Inequality among Men*. Delhi: Oxford University Press.

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.

ANTHC-303.10 (T): URBAN ANTHROPOLOGY

Credit =4

Full marks =100

UNIT I: Basic Concepts of Urbanisation: Definition, Scope, Attributes, Characteristic features; Process of Urbanisation; Theoretical perspective of urbanization and Urban Anthropology; Formation of ancient township in the prehistoric period; Concept of city, town, urban and metro.

UNIT II: Urbanisation in India: Reinforcement of Traditional Culture, Characteristics of Pre-Industrial Cities, Rate of Urbanisation, Actual Scenario, Consequence of Structural and Cultural Change, Reasons for Rural to Urban Migration.

UNIT III: Urbanisation and Industrialisation: Concept of ancient trade and urban centres, Different types of urban centres and their characters, Development of Industrial Cities, Industrial worker's Migration, Constraints of Industrial City Life, Emerging Issues and challenges.

UNIT IV: Issues and Challenges of the Urban Poor: Study on Culture of Poverty, Study on Slum and Beggars in the Urban areas; Concept of place and space. Diversity and Differences In Urban Spaces; World Cities And The Production Of Space; Global concern in Urban growth and contemporary urban concern.

Suggested Readings:

Bharwava G. (Ed.) 1981 *Urban Problems and Policy Perspectives*, New Delhi: Abhinav Publications.

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,

Chaudhuri S. and P. Tarafdar 2004 *The Beggars: Struggle for Survival In Metropolitan Ethnic Cultures: Maintenance and Interaction*, Beijing.: China Urban Anthropological Association, Academy Press.

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 Shargon 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.

ANTHC-303.11 (T): ECOLOGY AND SOCIETY

Credit =4

Full marks =100

UNIT- I: Cultural and Social Ecology: concept, definition and relevance; Relationship between Culture, Environment and Technology; Nature and Culture- Concept of Nature across Different culture. Philosophical foundation of Noosphere, Deep ecology and shallow ecology; Eco-feminism.

UNIT-II: Anthropological approach to development: Isolation, Assimilation and Integration; Human and nature interface: Adaptation, environmental impacts, ecosystems and biodiversity.

UNIT- III: Indigenous Knowledge and alternative models; Indigenous knowledge system and their relevance: Nature resource management, Ethno- pharmacopeia.

UNIT-IV: Contemporary environmental issues and debates – Climate Change, Human Activity and Anthropocene; Climate Change Adaptation and Issues in disaster anthropology; Sustainable Development: Anthropocentric and nature-centric approach.

Suggested Readings:

Bennett J.W. (1976) *The Ecological Transition: Culture Anthropology and Human Adaptation*, New York: Pergamon press.

Ellen, R.F. and P.H. Burnham (Eds). (1979) *Social and Ecological System*, London : Academic Press.

Gadgil, M. And R. Guha (1994) Ecological Conflicts and Environmental Movements in India, *Development and Change*. 25:101-136.

Hardesty, D.L. (1977) *Ecological Anthropology*, New York: Wiley & Sons.

Ingold, T. (1980) *Hunter, Pastoralism and Ranchers*, Cambridge: Cambridge University Press.

Medhi, Dilip K. (1982) *Jhum Fire and the Ecology of Garo Hills, Meghalaya*. Garo Hills-Land and people. Guwahati: Omsons Publication.

Milton, K. (1996) *Environmentalism and Culture Theory: Exploring the Role Anthropology in Environmental Discourse*. New York, NY: Routledge.

Misra, K.K. (2005) *Indigenous knowledge, Nature Resource Management and Development*. The Konda Reddy Experience. Bhopal: IGRMS and Delhi: Pratibha Prakashan.

ANTH-304.2 (P): APPLICATION OF SOCIAL AND CULTURAL ANTHROPOLOGY

Credit =4

Full marks =100

Group-A: MATERIAL CULTURE AND MUSEOLOGY

Introduction to museology: history of museum; assortment management; documentation, presentation and interpretation; Maintenance and care: techniques and technology for preservation of specimen; conservation of cultural properties and national heritage; public programming and education; museum ethics; role of supportive organizations in museum development.

Group-B: VISUAL ANTHROPOLOGY AND DIGITAL DOCUMENTATION

Fundamental concepts in visual anthropology. Anthropological study of visual representation such as museums and archiving. Dance and other kinds of performance, visual arts, production and reception of mass media; ethnomusicology; visual culture, virtual ethnography; anthropology of dress and gendered embodiments.

Group-C: ANTHROPOLOGY OF DISASTER MANAGEMENT

Concept and Types of disaster; Disaster Management and Anthropology; New Dimensions of Disaster- Industrial development, displacement, issues of rehabilitation; Trauma and the cultural support.

Environmental Degradation; Environmental and man-made problems- pollution, floods, soil erosion, landslide, earthquakes, etc. and its socio-economic consequences; Coastal and riverine environmental disasters in India; Cases of coal mine industries; Disaster management strategies and its implementation.

Students have to submit 2 project reports on the following topics-

1] Description and digital documentation of material cultural practices on any selected ethnic group.

2] Effect of Natural disaster and its impact on human society- any national or global case study.

Suggested Readings:

Adair, John and Sol Worth. 1967. The Navajo as film maker: A brief report of research in the cross-cultural aspects of film communication. *American Anthropologist*. 69:76-78.

Andrew McClellan. 2003. Art and its publics – Museum Studies at the Millennium. Blackwell Publishing Ltd.

Banks, M and J. Ruby. (eds). 2011. *Made To Be Seen: Perspectives on the History of visual anthropology*. Chicago: University of Chicago Press.

Bettina MessiasCarbonell. 2003. Museum Studies: An Anthology of Contexts. Blackwell Publishers.

Bharucha, E. (2005), *Environmental Studies*. Hyderabad: Universities: Press Pvt. Ltd.

Boellstorff, Tom, Bonnie Nardi, Celia Pearce, T.L.Taylor. 2012. *Ethnography and Virtual Worlds: A Handbook of Method*. Princeton University Press.

Chaudhuri, B. & A. K. Maiti (eds.) (1989), *Forest and Forest Development in India*. New Delhi: Inter India Publications.

Chauhan, I.S. & A. Chauhan. 1998, *Environmental Degradation*, Jaipur: Rawat Publications.

David Dean. 1994. Museum Exhibition (Heritage: Care-Preservation-Management). Routledge.

Divan, S. & A. Rosencranaz, 2007 *Environmental Law and Policy in India*. New Delhi: Oxford University Press

Eilean Hooper-Greenhill. 1992. Museums and the Shaping of Knowledge (Heritage: Care-preservation-management). Routledge.

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

Forde, C. Daryll. 1971, *Habitat, Economy and Society*. London: Methuen & Co. Ltd.

Gadgil, M. & Guha, R. 2006, *The Fissured Land*. New Delhi: Oxford University Press.

Gadgil, 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.

Hockings, Paul. 2003. *Principles of Visual Anthropology*. Berlin: Mouton de Gruyter.

- Ivan Karp. 1991. *Exhibiting Cultures: The Poetics and Politics of Museum Display*. Smithsonian Books.
- Janet Marstine. 2011. *The Routledge Companion to Museum Ethics*. Routledge.
- Jha, V. C. (ed.) 2003, *Land Degradation and Desertification*. Jaipur: Rawat Publications.
- John H. Falk. 2000. *Learning from Museums: Visitor Experiences and the Making of Meaning*. Rowman & Littlefield Publishers.
- Marie C. Malaro. 1985. *A Legal Primer on Managing Museum Collections*. Smithsonian Books.
- Pink, Sarah. 2010. *Doing Sensory Ethnography*. Sage Publications.
- Joshi, M.V. 2004, *Environmental Disaster: Causes, Impact and Remedies*. Delhi: Adhyayan Publishers & Distributors.
- Moore, R. 1975, *Man in the Environment*. New York: Alfred A. Knopf.
- Mukherjee, Radhakamal. 1968, *Man and His Environment: A Study in Social Ecology*. Bombay, Bombay Popular Prakashan.
- Narayan, S. 2000, *Anthropology of Disaster Management*. New Delhi: Gyan Publishing House.
- Rebecca A. Buck. 2010. *Museum Registration Methods (Paperback)*. American Alliance of Museums Press
- Richard Fortey. 2008. *Dry Store Room No. 1: The Secret Life of the Natural History Museum*. Harper Press
- Rouch, Jean. 1995. The camera and man. In *Principles of visual anthropology*, 2nd ed., ed. P. Hockings, 79-98. Berlin: Mouton.
- Sengupta, R. 2001, *Ecology and Economics*. New Delhi: Oxford University Press.
- Sharon Macdonald. 2005. *A Companion to Museum Studies*. Wiley-Blackwell.
- Simon J. Knell. 2007. *Museum Revolutions: How museums change and are changed*. Routledge.
- Sinha, P.C. (ed.) 1998, *Costal and Marine Disasters*. New Delhi: Anmol Publications Pvt. Ltd.
- Susan M. Pearce. 1992. *Museums, Objects and Collections*. Smithsonian Books.
- Timothy Ambrose. 1993. *Museum Basics (Heritage: Care-Preservation-Management)*. Routledge.
- Zuckerman, B. & D. Jefferson. 1990, *Human Population and the Environmental Crisis*. Boston: Jones & Bartlett Publishers.

FOURTH SEMESTER
ANTH-401: DISSERTATION
Credit = 20 Marks= 500

Every student shall write a dissertation based on fieldwork. The dissertation carries 500 marks, and it shall be submitted in partial fulfilment for the award of the degree of Master of Science/Arts in Anthropology. This dissertation shall be evaluated based on the report submitted, presentation, and viva voce.

Note:

1. Last date of submission of dissertation: To be notified.
2. Submission of the dissertation is mandatory for the presentation and evaluation of the dissertation.
3. Number of copies to be submitted: 3 (three; soft bound) and 1 (one) soft copy.
4. Recommended format for dissertation:
Times New Roman, 12 Font, 1.5 Spacing, Justified.
5. Reference: APA format.
