

UNIVERSITY OF CALCUTTA

Notification No. CSR/40/2025

It is notified for information of all concerned that in terms of the provisions of Section 54 of the Calcutta University Act, 1979, (as amended), and, in the exercise of her powers under 9(6) of the said Act, the Vice-Chancellor has, by an order dated 02.06.2025, approved the Syllabus for Semester -4 of Anthropology (4-year Honours & Honours with Research/ 3-year MDC), under CCF.

The syllabus of semester-1 & 2 published in CSR/13/23. Dt.12.07.2023; revised course structure & syllabus of semester-3 published under CSR/129/2024, dt. 12.11.2024 and some amendments were published under CSR/14/2025, dt. 12.03.2025.

The Syllabus of Semester-4, as mentioned above shall take effect from the Even semester examinations, 2025 and onwards.

SENATE HOUSE

Prof.(Dr.) Debasis Das

Kolkata-700073

Registrar

04.06.2025

University of Calcutta

ANTHROPOLOGY SYLLABUS

4th SEMESTER

Major - Minor - MDC

Paper	Course	Name of the Paper	Credit	Page No.
DSCC-5	ANTA –H-CC-5 –TH/ P	Holocene Cultures/ Lithic Analysis	3+1	2
DSCC-6	ANTA – H-CC-6 –TH/ P	Human Genetics and Population Biology/ Human Genetics	3+1	4
DSCC-7	ANTA – H-CC-7 –TH/ P	Indian Anthropology, Ethnographic Research/ Public Space	3+1	7
DSCC-8	ANTA – H-CC-8 –TH/ P	Human Variation, Development with Approaches/ Somatometry	3+1	11
G-CC-2	ANTA-G-CC-2 – TH/ P	Introduction to Anthropology/ Archaeological Anthropology	3+1	CSR/13/2023 Page No. 12
CC-4	ANTA-MD-CC- 4-TH/P	Holocene Cultures and Living Primates/ Museum visit or CRM	3+1	14
CC-5	ANTA-MD-CC- 5-TH/P	Fossil Primates and the Areas of Social-Cultural Anthropology/ Government policies and programmes	3+1	16
MD_MC-2	ANTA-MD-MC- 2 – TH/ P	Introduction to Anthropology/ Archaeological Anthropology	3+1	CSR/13/2023 Page No. 12

ANTHROPOLOGY - MAJOR

SEMESTER - IV

DSCC-5 (ANTA – H-CC-5 – TH)

3 credits

HOLOCENE CULTURES

UNIT I: Cultures in Holocene times:

- i. **Europe**–European Mesolithic. (Climatic adaptations & formation of ecological niches to be highlighted– Maglemosean, Tardenoisean, Kitchen Midden Cultures).
- ii. **South Asia-** Mesolithic India- (Teri sites, Bagor, Langhnaj, Birbhanpur, Sarai Nahar Rai, Bhimbetka. Near East Beginnings of food production broad spectrum economy to be outlined with special emphasis on Natufian.
- iii. **Africa-** Second intermediate cultures: an overview with special emphasis on Magosian and Iberomaurusian.
 - Late Stone Age cultures: Wilton, Smithfield, Capsian to be studied

UNIT II: Neolithic:

Era of food production – theories to be mentioned in brief (Childe, Flannery, Braidwood). Importance of Near East in food production to be outlined, with special emphasis on Jarmo, Jericho, Hassuna, Halaf. Basic features of Neolithic in Near East, Europe and South Asia /India. Indian Neolithic: the following sites are to be studied: Burzahom, Deojali Hading, Kuchai, Sanganakallu, Tekkalakota, and Budihal.

The Phase of transition from Bronze to Iron Age- The site of Ur (Middle East) is to be studied in this context.

UNIT III: Earliest Civilizations:

Concept features of civilization according to Braidwood and Childe. Mesopotamian and Egyptian civilizations- brief ideas.

DSCC-5 (ANTA – H-CC-5 – P)

1 credit

LITHIC ANALYSIS

i. Morphometric analysis of four Hand axes: two according to F. Bordes's method and two according to D. A. Roe's method. Graph paper(s) must be used for this purpose.

- Addington, Lucile R. 1986 Lithic illustration: drawing flaked stone artifacts for publication. Chicago: The University of Chicago Press.
- Allchin, B and Raymond Allchin. 1983 The rise of civilization in India and Pakistan. Cambridge: Cambridge University Press.
- Bender, Barbara. Farming in prehistory.
- Braidwood, R.J. and L.S. Braidwood eds. 1983 Prehistoric archaeology along the Zagros flanks. Chicago: Oriental Institute.
- Childe, V.G. 1936. Man makes himself. London: Watts.
- Clark, D. Prehistoric Europe: the economic basis.
- Clark, J Desmond. 1970. The Prehistory of Africa. Thames and Hudson publisher
- Cole, Sonia. 1954. The Prehistory of East Africa. Pelican Publisher
- Fagan, Brian M. 2000. In the beginning: introduction to archaeology. New Jersey: Prentice Hall.
- Fagan, Brian M. 2004. People of the earth: an introduction to world prehistory. Singapore: Pearson Education.
- Flannery, K.V. 1965. The ecology of early food production in Mesopotamia. Science vol. 147 pp 1247-1256.
- McIntosh, Susan Keech & Roderick J. McIntosh. 1988. From Stone to Metal: New Perspectives on the Later Prehistory of West Africa. Journal of World Prehistory. Volume 2, pages 89–133.
- Phillipson, David W. 2005. African Archaeology. Cambridge University Press.
- Sankalia, H.D. 1974. Prehistory and protohistory of India and Pakistan. Poona: Deccan College.
- Settar, S. and R. Korisettar. 2004. Indian Archaeology in Retrospect: Prehistory The Early Archaeology of South Asia v. 1. Delhi: Manohar Publishers and Distributors.
- Settar, S. and R. Korisettar. 2004. Indian Archaeology in Retrospect: Protohistory archaeology of the Harrappan Civilization v. 2. Delhi: Manohar Publishers and Distributors.
- Singh, U. A. 2009. History of Ancient and Early Medieval India: From the Stone Age to the 12th Century. Delhi: Pearson Education India.
- Stahl, Ann B. 2004. African Archaeology A Critical Introduction. Wiley Blackwell

DSCC-6 (ANTA – H-CC-6 –TH)

3 credits

HUMAN GENETICS AND POPULATION BIOLOGY

UNIT I: The genetic material:

- i. The chromosome: structure of human chromosomes general structure: size and shape; physical structure: nucleosome-solenoid model; chemical structure: histones and nonhistones, protein. Normal human karyotype; classification of chromosomes Denver system. Chromosome banding (brief outline)
- ii. The nucleic acids: DNA the structure: double helix. The genetic code; DNA replication; Structure of RNA (in contrast to DNA), types of RNA: mRNA, tRNA, and rRNA their functions. Types of DNA in human genome: unique DNA sequences, satellite DNA, repetitive DNA sequences (only basic concepts and significance).
- iii. The Gene: its structure and organization introns and exons (Expression of gene brief outline); definitions and basic structural features of typical human gene (Haemoglobin).
- iv. Chromosomal abnormalities: Concepts of Ploidy numerical abnormalities with special reference to the etiology and clinical features of Down's, Turner's, and Klinefelter's syndromes; structural abnormalities: brief introduction to translocation, deletion, inversion, duplication, ring- chromosome, and isochromosome.

UNIT II: Human Genetics:

- i. Introduction: Definition, aims and applications of human genetics and its relevance in anthropology.
- ii. Methods of human genetics with special reference to family study, twins study.
- iii. Mendelian inheritance: Mendel's law and its application to man; modes of inheritance of Mendelian traits in man—autosomal dominant, autosomal recessive; sex-linked inheritance (with reference to common examples) X-linked dominant and recessive inheritance in man. Sex chromatin and Lyonization.
- iv. Co-dominant inheritance, multiple alleleism, polymorphism
- v. Alteration of Mendelian ratios: brief introductions to— lethal alleles, incomplete dominance, epistasis, pleiotropy, sex-limited and sex-controlled traits, penetrance and expressivity, genetic heterogeneity, linkage and concept of Genetic distance (Sanghvi, Mahalanobis, D2) and LOD score.
- vi. Inheritance of complex traits: concepts of complex traits, continuous and

discontinuous traits, quantitative traits; threshold value; examples of multifactorial and polygenic traits in humans: stature and dermatoglyphics.

UNIT III: Population Genetics:

- i. Definition and concept of population, definition of population genetics, genotype and allele frequencies, calculation of allele frequencies (MN and ABO blood groups); mating systems—random, assortative mating, endogamy, inbreeding (brief concepts: F statistics).
- ii. Epigenetics concept and application
- iii. The Hardy-Weinberg equilibrium—concepts and applications; the evolutionary forces:
 - a. Mutation: definition, causes and types,
 - b. Selection: definition, Darwinian fitness, heterozygote advantage (e.g., Sickle Cell Trait), balanced polymorphism and transient polymorphism.
 - c. Migration and gene flow: The basic concept of how these factors change genotype and allele frequencies
 - d. Genetic drift: The basic concepts, Founder Effect and Bottleneck effect

DSCC-6 (ANTA – H-CC-6 –P)

1 credit

HUMAN GENETICS

Students should be acquainted to undertake the following tests or observations and record the results in the laboratory notebook:

- i. Dermatoglyphics: candidates should be trained in taking the prints of palms and fingertips of at least 3 participants.
 - a) In case of fingerprints, pattern types should be identified, and the Pattern Intensity Index (PII) is to be calculated.
 - b) In case of palm prints, a, b, c, d, and t triradii identification and estimation of atd angle, Main Line formula and Main Line Index
- ii. ABO and Rh (D) Blood groupings: Students should be taught in determining ABO and Rh (D) Blood groups of at least 5 participants following standard technique.
- iii. PTC / PTU tasting ability: Students should be trained to test PTC/PTU tasting ability in at least 5 participants, following the standard technique.

iv. Testing of Colour vision (Colour blindness): Ishihara's chart (1979) should be used and tests should be demonstrated as suggested. Inference should be recorded on at least 5 participants.

- Lewis R. (2009). Human Genetics: Concepts and Applications 9th Edition. The McGraw-Hill
- Companies, Inc.
- Cavalli-Sforza, L.L. and Bodmer, W.F (1971). The Genetics of Human Population. San Francisco: Freeman .
- Snustad D. P. and Simmons M.J. (2006). Principles of Genetics, Fourth Edition, John Wiley & Sons USA, Hoboken NJ.
- Vogel F. and Motulsky A.G. (1996). Human Genetics. Springer, 3rd revised edition.
- Stern C. (1970). Principal of Human Genetics. Freedman, San Francisco.
- Mange E. J. and Mange A. P. (1994). Basic human Genetics. Sinaurer Associates, Inc, USA. (Indian Reprint edtn by Rastogi Publications, Meerut.
- Cummings M.R. (2011). Human Heredity: Principles and Issues. Ninth Edition. Brooks/Cole, Cengage Learning.
- Weiner J.S. and. Lourie J.A .1981. Practical human biology, London; New York: Academic Press

DSCC-7 (**ANTA** – **H-CC-7** –**TH**)

3 credits

INDIAN ANTHROPOLOGY, ETHNOGRAPHIC RESEARCH AND PUBLIC SPACE

UNIT I: Major Concepts in Indian Anthropology and Introduction to Ethnographic Research:

Contribution to Social and Cultural Anthropology of India and Traditional Indian Concepts:

Village: Little Republic, Enumerative and Administrative Entity, Microcosm of Indian Society, Self-sufficient social Unit, Well-Defined Structural Entity, Little tradition always relational to great tradition, Political Economy and conflict, Withering/Declining social entity,

Caste: Attributional, Colonial-Enumerative, Structural-Functionalism, Sanskritisation, Westernization, Structuralism, Transactional-interactionism, Monistic-Pluralistic,. Ethnohistorical, Subaltern-Historicism, Ethnicty, Political Economic, System of graded inequality,

Varna: System of Hierarchy, Aryan invasion, Tri-Guna theories, cultural or structural (-universalistic or –particularistic) perspectives,. Achievable OR Assigned by birth

Tribe: Ethnic Group, Backward Indian peoples, Linguistic Distribution of the tribal communities of India; The Hindu Method of Tribal Absorption', 'Tribe-Caste and Tribe-Peasant' Continua, Developmental social category: De-notified Communities, Anusuchit Janjati (Scheduled Tribes), Assimilation, Autonomy, Conservation-isolation and Integration, Primitive (or Primarily Vulnerable) Tribal Groups (PTGs/PVTGs), 'Tribes in transition',

Civilization: Catalogue Approach, Great tradition always relational to Little tradition, Indological, Evolutionist, Complex Society, Sacred Complex, Matters of the mind, Universalization-Parochialisation, Political Economic System and Colonialism

Traditional Indian Concepts:

(a) Śūnyatā, Dhamma, Sangha, Panchsheel, Nirbana, [Heterodox-Buddhism] (b) Brahman-Maya- Jiva-Guna-Yoga-Moksha [Orthodox-Vedantic], (c) Varna-Ashrama, Guna, Purusharatha: Dharma, Karma, Rina, Artha, Kama, Moksha, [Later orthodox synthesis] (d) Shahada, Salah, Zakat, Sawm, and Hajj [Islam]

Unit - II: Introduction to Ethnographic Research:

- i) Paradigm, Approach, Methodology, Strategy, Theoretical Concepts, Method/s and Technique/s.
- ii) Research Framework: Selection of topic, Literature Review, Research/Study Design, and/ or Research Strategy, and/ or Plan of Research/Study, Objectives and/ or questions of Research
- iii) Data collection: Selection of Site/s, Sampling, Interviews, Observations, Conversations,

Focus Groups, Photography

iv) Other particulars of qualitative analysis: Recording, Transcription, Thematic Analysis: codes and memos, category, theme, pattern; photo elicitation, photovoice illustration and Report writing.

- Bailey, F. G. (1969). Structure and change in Indian society: A review article. Pacific Affairs, 42(4), 494–502.
- Berger, P., & Heidemann, F. (Eds.). (2013). The modern anthropology of India: Ethnography, themes and theory (1st ed.). Routledge. https://doi.org/10.4324/9780203523223
- Beteillé, A. (1996). Sripuram: A village in Tanjore District. The Economic Weekly, Annual Number (February).
- Clark-Decès, I. (Ed.). (2011). A companion to the anthropology of India. Wiley-Blackwell.
- Cohn, B. S. (1955). The changing status of a depressed caste. In M. Marriott (Ed.), Village India: Studies in the little community (pp. 53–77). The University of Chicago Press.
- Cohn, B. S. (1980). History and anthropology: The state of play. Comparative Studies in Society and History, 22(2), 198–221.
- Cohn, B. S. (1987). An anthropologist among the historians and other essays. Oxford University Press.
- Dirks, N. B. (1989). The invention of caste: Civil society in colonial India. Social Analysis, 25, 42–52.
- Dirks, N. B. (1992). Introduction: Colonialism and culture. In N. B. Dirks (Ed.), Colonialism and culture (pp. 1–25). The University of Michigan Press.
- Dirks, N. B. (1999). The crimes of colonialism: Anthropology and the textualization of India. In P. Pels & O. Salemink (Eds.), Colonial subjects: Essays on the practical history of anthropology (pp. 153–179). The University of Michigan Press.
- Dirks, N. B. (2001). Castes of mind: Colonialism and the making of modern India. Princeton University Press.
- Dumont, L. (1980). Homo hierarchicus: The caste system and its implications. The University of Chicago Press.
- Dumont, L. (2008). Introduction: History and theory in the interpretation of South Asian society. In C. J. Fuller & J. Spencer (Eds.), The conditions of listening: Essays on religion, history, and politics in South Asia (pp. 1–32). Oxford University Press.
- Gough, K. (1955). The social structure of a Tanjore village. In M. Marriott (Ed.), Village India: Studies in the little community (pp. 36–52). The University of Chicago Press.
- Ludden, D. (Ed.). (2005). Making India Hindu: Religion, community, and the politics of democracy in India. Oxford University Press.
- Marriott, M. (Ed.). (1955). Village India: Studies in the little community. The University of Chicago Press.
- Marriott, M. (1990). Constructing an Indian ethnosociology. In M. Marriott (Ed.), India through Hindu categories (pp. 1–39). Sage.
- Marriott, M., & Inden, R. B. (1974). Caste systems. Encyclopaedia Britannica (15th ed., Vol. 3, pp. 982–991).

- Mathur, S. (2000). History and anthropology in South Asia: Rethinking the archive. Annual Review of Anthropology, 29, 89–106.
- Nader, L. (2011). Ethnography as theory. HAU: Journal of Ethnographic Theory, 1(1), 211–219.
- Parkin, R. (2002). Louis Dumont and hierarchical opposition. Berghahn Books.
- Prakash, G. (1994). Subaltern studies as postcolonial criticism. The American Historical Review, 99(5), 1475–1490.
- Redfield, R., & Singer, M. (1955). Foreword. In M. Marriott (Ed.), Village India: Studies in the little community (pp. vii–xvi). The University of Chicago Press.
- Singer, M. (1968). Preface. In M. Singer & B. S. Cohn (Eds.), Structure and change in Indian society (pp. vii–xii). Aldine.
- Sivaramakrishnan, K. (1995). Situating the subaltern: History and anthropology in the subaltern studies project. Journal of Historical Sociology, 8(4), 395–429.
- Spencer, J. (1997). Post-colonialism and the political imagination. The Journal of the Royal Anthropological Institute, 3(1), 1–19.
- Srinivas, M. N. (Ed.). (1955). India's villages. Asia Publishing House.
- Srinivas, M. N. (1954, May 29). Social structure; village studies. The Economic Weekly.
- Vidyarthi, L. P. (1977). The rise of social anthropology in India (1774–1972). In K. David (Ed.), The new wind: Changing identities in South Asia (pp. 61–84). Mouton.

DSCC-7 (ANTA – H-CC-7 –P)

1 Credit

PROJECT WORK ON PUBLIC SPACE

Submission of individual report on identification of public spaces [i.e. at least one among club, tea-stall, cafe, temple, mosque, church, market, shop/stores, Rowak, park, playground, ward office, any public assembly corner and so on] in a residential neighbourhood, plotting them in the Google snapshot or other map, recording responses of at least twelve (12) separate gendered residents about their knowledge, experience and practice regarding the identified public place/s and thematic analytical narration of five major problems of the respondents in their self-identified neighbourhood.

- Amin, A. (2008). Collective culture and urban public space. City, 12(1), 5–24. https://doi.org/10.1080/13604810801933495
- Banerjee, T. (2001). The future of public space: Beyond invented streets and reinvented places. Journal of the American Planning Association, 67(1), 9–24. https://doi.org/10.1080/01944360108976352
- Bayat, A. (2010). Life as Politics: How Ordinary People Change the Middle East. Stanford University Press.
- Ghosh, S., & See, L. M. (2016). Gendered access to urban public space: A case study in Kolkata, India. Urban Studies, 53(15), 3202–3218. https://doi.org/10.1177/0042098015605932
- Habermas, J. (1991). The Structural Transformation of the Public Sphere: An Inquiry into

- a Category of Bourgeois Society (T. Burger, Trans.). MIT Press.
- Low, S. M. (1996). Spatializing culture: The social production and social construction of public space in Costa Rica. American Ethnologist, 23(4), 861–879. https://doi.org/10.1525/ae.1996.23.4.02a00010
- Low, S. M., & Smith, N. (Eds.). (2006). The Politics of Public Space. Routledge.
- Massey, D. (2005). For Space. SAGE Publications.
- Phadke, S. (2007). Dangerous liaisons: Women and men—Risk and reputation in Mumbai. Economic and Political Weekly, 42(17), 1510–1518.
- Whyte, W. H. (1980). The Social Life of Small Urban Spaces. Project for Public Spaces.

DSCC-8 (ANTA – H-CC-8 – TH)

3 credits

HUMAN VARIATION, DEVELOPMENT WITH APPROACHES Group –A: Approaches in Archaeology

- a. Examples of different kinds of works being carried on the following approaches: Determinism, Processual archaeology: cultural materialism, culturology, functionalism, cultural ecology, structuralism, historical materialism.
- b. Contemporary approaches: critiques of Processual Archaeology; post processual archaeology; poststructuralism, interpretive and symbolic approach

Group - B: Human population variation

- i. Different approaches of classifying human populations: typological, ecological (local, micro, and geographical), and clinal in terms of genetic polymorphism.
- ii. Race, racism and ethnicitya) Definition and concept of the term "Race and racism", UNESCO statement of race.b) Concept of ethnicity from biological perspective.
- iii. Racial criteria (Skin colour, nose, human scalp hair form and eye form, blood group as per Boyd).
- iv. Racial and /or ethnic elements in Indian population: morphological (hair form), quantitative (stature, head shape, nose form), polymorphic markers (Blood group: ABO; MN and RhD; Haemoglobin and concept of DNA, aDNA,) and polygenic markers (Dermatoglyphics and skin colour).
- v. Critical appraisal of contribution of H. H. Risley, B. S. Guha, and S. S. Sarkar towardsunderstanding ethnic distinctness in the Indian populations

- Lewis R. (2009). Human Genetics: Concepts and Applications 9th Edition. The McGraw-Hill Companies, Inc.
- Cavalli-Sforza, L.L. and Bodmer, W.F (1971). The Genetics of Human Population. San Francisco: Freeman
- Snustad D. P. and Simmons M.J. (2006). Principles of Genetics, Fourth Edition, John Wiley & Sons USA, Hoboken NJ
- Relethford J.H. (2012). Human Population Genetics. Wiley-Blackwell, USA
- Singh I. P. and Bhasin M.K. (1989). Anthropometry: A Laboratory Manual on Biological Anthropology. Kamla-Raj Enterprises, Chawri Bazar, Delhi.
- Rastogi S and Shukla B. R. K. (2003). Laboratory Mannual of Physical Anthropology. Bharat Book Center, Lucknow, India.
- Wilder H. H. (1920). A Laboratory Mannual of Anthropology. P. Blakistens Son and Co. USA.
- Weiner J. S. And Lourie J.A. (1981). Practical human Biology. Academic Press, NY, USA.
- Lohman T. G. Roche A. F. and Martorell R. (1988). Anthropometric

Standardization Reference Mannual. Human Kinetic Books. Champaign, IL.

• Juan Comas. 1965. Manual of Physical Anthropology. Thomas, Springfield, Ill.

Group – C: Anthropology and Development

A. Concept of Development

- 1. The Contentions over the Concept of Development
- 2. Growth and Development
- 3. The Geography of Development
- 4. Debates over Development.

B. Approaches to Development: Brief Introduction

- 1. Classical and Neoclassical Economics: a. Adam Smith b. Utilitarianism
- 2. From Keynesian Economics to Neoliberalism: a. Keynesian Economics b. Development Economics c. Neoliberalism d. Millennium Development Goals
- 3. Development as Modernization: a. Critique of the Modernization Approach b. Return of Modernization
- 4. Nonconventional, Critical Theories of Development a. Structural Marxism b. Dependency Theory c. World Systems Theory
- 5. Post-structuralism and Postdevelopmentalism: a. Encountering Development b.Postdevelopmentalism
- 6. Feminist and Development: a. Major Approaches: Welfare, WID, WAD, GAD, WED

C. Development Anthropology and Anthropology of Development

Edelman and Haugerud: Introduction, Escobar

- Sumner, Andrew, Tribe, Michael A.: 2008. International development studies: theories and methods in research and practice. Los Angeles, Calif: SAGE, 1st Chapter
- Early Post-War Theories of Development [http://www.zjaksdesign.nl/development_theories.pdf] Rapley, John. 2007. Understanding Development: Theory and Practice in the Third World. Third Edition. Boulder: Lynne Rienner: Introduction and Chapter one
- Lecture 1: Concepts of Development and Underdevelopment. [https://www.scribd.com/document/362529834/Lecture-1-Concepts-of-Development-and-Underdevelopment]
- Marc Edelman and Angelique Haugerud, eds., 2005. The Anthropology of Development and Globalization: From Classical Political Economy to Contemporary Neoliberalism. Oxford: Blackwell. Introduction
- Richard Peet and Hartwick, Elaine. 2009. Theories of Development: Contentions, Arguments, Alternatives. (2nd Edition). New York: The Guilford Press.
- E. Wayne Nafziger, 2006. Economic Development, 4th edition, Cambridge: Cambridge University Press, 5th Chapter.
- David, Gow. 2002 Anthropology and Development: Evil Twin or Moral Narrative? Human

- Organization 61(4): 299–313.
- Lewis, D. (2005): Anthropology and development. the uneasy relationship [online]. London: LSE. Research Online.

DSCC-8 (ANTA – H-CC-8 –P)

1 credit

SOMATOMETRY

Candidates should be trained in taking the following measurements on at least 3 participants, identify the landmarks involved and know about the instruments (Martin's Caliper sets, Martin's Anthropometer, Rod compass) used.

i. Measurements on head and face:

1. Maximum head length 2. Maximum head breadth 3. Least frontal breadth 4. Bizygomatic breadth 5. Bi-gonial breadth 6. Total height(vertex-gnathion) 7. Nasal length 8. Nasal breadth 9. Nasal depth 10. Morphological superior facial length 11. Total Facial Length.

ii. Measurements on trunk and limbs:

- a. 1. Height vertex 2. Height tragus 3. Height acromion 4. Height radiale 5. Height stylion 6. Height dactylion 7. Sitting height vertex 8.Bi-acromial diameter 9. Hand length 10. Hand breadth 11. Foot length 12. Foot breadth 13. Mid Upper arm Circumference (For item numbers 9 13, measurements on bothsides are to be taken),14. Body weight.
- b. Skinfold measurements: biceps, triceps (Both sides)
- c. Physiological variables: Blood pressure (mercury sphygmomanometer and stethoscope)

iii. Indices:

1. Cephalic index 2. Nasal index 3. Facial index 4. Jugo-frontal index 5. Body Mass Index(BMI).

ANTHROPOLOGY - MINOR AND MDC

SEMESTER - IV

CC-4 (ANTA-MD-CC-4-TH)

3 credits

HOLOCENE CULTURES AND LIVING PRIMATES

UNIT I: Archaeological Anthropology

2 credits

- a. Mesolithic cultures of Europe with special emphasis on Maglemosian, Kitchen Midden, Azilian, Tardenoisian culture.
- b. Neolithic culture of Europe with characteristic features, distribution with special emphasis on food production.
- c. Salient features of Urbanization and civilization, study of ancient civilization (Egypt and Mesopotemia.
- d. Evolution of technology stone tool technology, pottery technology, metal technology.

References

- Sankalia, H.D. (1974). Prehistory and Proto-History of India and Pakistan.
- Misra VD, and Pal JN, (2002). (Ed.) Mesolithic India. Allahabad: Department of Ancient History, Culture and Archaeology, University of Allahabad.
- Bhattacharya D. K. (1995). An outline of Indian Prehistory. Palaka Pub.

UNIT II: Primate Evolution

1 credit

A. Theories of Evolution

Lamarckism, Darwinism, Synthetic theory

B. Living primates

- a. Definition (Mivart) and general characteristic features of the order Primates.
- b. Evolutionary trends of the Primates.
- c. Classification of the order Primates –G.G. Simpson (1945) and modified by Simons (1972) with features and examples up to family.
- d. Platyrrhine and Catarrhine monkeys- distribution, characteristics and differences. Anthropoid apes: Features, classification, distribution, and social behaviour of the anthropoid apes.
- e. Skeletal comparison of anthropoid apes with that of man.

- Krober, A.L. (1948). Anthropology. Oxford & IBH Publishing Co., New Delhi.
- Sarkar, R.M. (2003). Joibik Nribijnan (In Bengali), knowledge House, Kolkata.
- Mukherjee, D. (2003). Joibik Nribijnan. J.N. Pub. House.
- Jurmain, R., Kilgore, L. Trethan, W., Ciochon, R.L. (2012). Introduction to Physical Anthropology. Wadsworth Publ., USA

- Krober, A.L. (1948). Anthropology. Oxford & IBH Publishing Co., New Delhi.
- Kotta, C.P. (2000). Anthropology: The Exploration of Human Diversity. McGraw Hill Co. Inc.
- Napier, J.R and Napier, P.H. (1994). The Natural History of Primates. The MIT Press.
- Seth, P.K. and Seth, S. (1996). The Primates. Northern Book Centre, New Delhi.
- Hooton, A. E. (1994). Up from the Ape. The McMillan Co. NY, USA.
- Simpson, G. G. 1945. "The Principles of Classification and a Classification of Mammals." Bulletin of the American Museum of Natural History, 85: 1–350.
- Simons EL 1972 Primate Evolution: An Introduction to Man's Place in Nature. New York: Macmillan Press

CC-4 (ANTA-MD-CC-4-P)

1 credit

PROJECT REPORT

Field-based project report on Museum visit or Cultural Resource Management (CRM)

a. Project report on any Museum visit/ History of Museum, Galleries, in details study of morphological characters, use, cultural period (Prehistoric/protohistoric/historic objects) of 10 exhibits.

OR

b. Cultural resource management (application, problem and prospective), the reasons and destruction and legislative measures of an archaeological site (urban or rural).

CC-5 (ANTA-MD-CC-5-TH)

3 credits

FOSSIL PRIMATES AND THE AREAS OF SOCIAL-CULTURAL ANTHROPOLOGY

UNIT I: Fossil Primates (chronology, features and phylogeny)

1 credit

- a. Dryopithecus, Sivapithecus, Ramapithecus
- b. Earlier hominins: Australopithecus afarensis and Australopithecus africanus
- c. Emergence of genus Homo Homo habilis, Homo erectus (Java and Peking varieties)
- d. Emergence of archaic Homo sapiens Neanderthals (La Chapelle-aux-Saints and Tabun)
- e. Anatomically modern Homo sapiens Cro-Magnon

References

- Krober, A.L. (1948). Anthropology. Oxford & IBH Publishing Co., New Delhi.
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- Simpson, G. G. 1945. "The Principles of Classification and a Classification of Mammals." Bulletin of the American Museum of Natural History, 85: 1–350.

UNIT II: Social-Cultural Anthropology

2 credits

A. Anthropology of Religion

Indigenous Religions: Topics (concepts and/or definition) include myth and ritual, sorcery, witchcraft and divination; animism, animatism, totem and taboo, magic, and shamanism, sacrifice, spirit possession, initiation rituals, witchcraft and other institutionalized principal religions of the World

- Bandyopadhyay, S. (2021). Samajik Sanskritik Nribigyan [In Bengali]. Parul Prakasani.
- Bowie, F. (2006). The anthropology of religion: An introduction (2nd ed.). Blackwell Publishing.
- Crapanzano, V. (2000). Theories of religion. Cambridge University Press.
- Durkheim, É. (1995). The elementary forms of religious life (K. E. Fields, Trans.). Free Press. (Original work published 1912)
- Glazier, S. D. (Ed.). (1999). Anthropology of religion: A handbook. Greenwood Press.
- Sarkar, R. M. (2003). Samajik-Sanskritik Nribijyan [In Bengali]. Knowledge House.
- Srinivas, M. N. (1952). Religion and society among the Coorgs of South India. Clarendon Press.

B. Backwards Communities in India and Development

Indian tribes: an outline of anthropological studies, distribution according to economy. Sectors, **Problems**, plans and agencies of development, welfare of the tribes, SC and OBC in India, Constitutional provisions and safeguards of the SC, ST and OBC.

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- E-Gyankosh, Government of India. (n.d.). *Distribution of tribes in India Tribal cultures of India*. https://ebooks.inflibnet.ac.in/antp05/chapter/distribution-of-tribes-in-india/
- Laxmikanth, M. (2021). *Indian polity* (6th ed.). McGraw Hill Education.
- Palshikar, S., Suri, K. C., & Yadav, Y. (Eds.). (2014). *Indian democracy*. Oxford University Press.
- Patil, R. (Ed.). (2020). *Tribal development in India*. SAGE Publications Pvt. Ltd. https://doi.org/10.4135/9789354791710
 - **C. Peasant village:** concept, features, habitation, economy and changes. Panchayati Raj, with special emphasis on West Bengal.

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- Bhattacharya, M. (2002). Panchayati raj in West Bengal: Democratic decentralisation or democratic centralism. Manak Publications Pvt. Ltd.
- Dasgupta, S. (1984). Panchayati Raj institutions in West Bengal: A study in community participation. National Institute of Public Cooperation and Child Development.
- Dhanagare, D. N. (1983). Peasant movements in India, 1920–1950. Oxford University Press.
- Mallick, M. A. (2004). Panchayati raj and tribal development in West Bengal: A field study. Minerva Associates.
- Sinha, S. (1996). Tribal polities and state systems in India. Manohar.
- Webster, N. (1992). Panchayati raj and the decentralisation of development planning in West Bengal: A case study. K.P. Bagchi & Company.

CC-5 (ANTA-MD-CC-5-P)

1 credit

Project work on the Government policies and programmes

- Study of the major government policies and programmes for the People with emphasis on the state of West Bengal, like land reforms, Abas Yojona, Kanyashree, Sabooj Sathi, Midday Meal, Sasthya Sathi, Laxmi Bhandar, Rupasree and etc.
- Data should be collected from 10 beneficiaries of the local community on any two government policies and programmes mentioned above, with the following points:
 - a) Significance b) Problems c) Students' assessment.
- Submission of the report and viva-voce.