

ACADEMIC CALENDAR (ODD SEMESTER)
(ANTHROPOLOGY Honours; CBCS)

Semester I (AY 2023-2024)		Period: _____ to _____		
Paper: CC 1T (Introduction to Biological anthropology) (Theory)		Full Marks: 40	Credit: 04	
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Unit 1 Definition, Scope and sub-disciplines of Anthropology.	5	JRT	
2	Unit 1 History of Physical Anthropology and development of Modern Biological anthropology	5	JRT	
3	Unit 1 aim, scope and its relationship with allied disciplines	5	JRT	
4	Unit 1 Difference in the approaches of modern and traditional Biological Anthropology, with emphasis on human evolution and variation	5	JRT	
5	Unit 1 Application of Biological anthropology in Human welfare and development	5	JRT	
6	Unit 2 History and development of understanding human variation and evolutionary thought. Theories of evolution. Human variation and evolution:, pre-19th and post-19th Century.	5	PR	
7	Unit 2 History and development of understanding human variation and evolutionary thought. Theories of evolution. Theories of evolution. Lamarckism, Neo Lamarckism, Darwinism, Modern Synthetic theory, and Neutral theory of molecular evolution.	5	PR	
8	Unit 3 Non-human primates in relation to human evolution Classification and characteristics of living primates, with suitable examples	5	JRT	
9	Unit 3 Non-human primates in relation to human evolution Outlines of comparative anatomy and behaviour of human and non-human primates	5	JRT	
10	Unit 3 Non-human primates in relation to human evolution Significance of non-human primate study in Biological Anthropology.	5	JRT	
11	Unit 4 Great divisions of humanity UNESCO Statement on Race. Racism	5	PR	
12	Unit 4 Great divisions of humanity	5	PR	

Outline of racial classifications: (a) World Context : Denikar, Dixon, Haddon, Hooton, Eickstedt and Coon-Garn-Birdsell (b) Indian context: Risley, Guha and Sarkar			
---	--	--	--

Semester I (AY 2023-2024)		Period: _____ to _____		
Paper: CC 1P (Introduction to Biological Anthropology Lab) (Practical)		Full Marks: 20 Credit: 02		
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Anthropometry - Maximum head length, Maximum head breadth, Minimum frontal breadth, Maximum bizygomatic breadth, Bigonial breadth, Nasal height, Nasal length, Nasal breadth, Physiognomic facial height, Morphological facial height, Physiognomic upper facial height, Morphological upper facial height, Head circumference, Stature, Sitting height, Body weight	4	PR	
2	Anthroposcopy -- Head form, Hair form, Facial form, Eye form, Nose form, Hair colour, Eye colour, Skin colour	4	JRT	
3	Evolutionary Biology: Identification of Ape Cranium (Drawing and characteristics features): Gibbon, Orang, Chimpanzee, Gorilla	4	JRT	

Semester I (AY 2023-2024)		Period: _____ to _____		
Paper: CC 2T (Introduction to Socio-cultural Anthropology) (Theory)		Full Marks: 40 Credit: 04		
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Unit 1 Aim and Objectives of Social-Cultural Anthropology.	9	SD	
2	Unit 1 Scope and relevance of Social-Cultural Anthropology.	9	SD	
3	Unit 1 Relationship of Social-Cultural Anthropology with other disciplines. History of nomenclature.	9	SD	
4	Unit 2 Concepts and definitions of society and culture. Different types of Groups and Institutions. Society and community	9	AS	
5	Unit 3 A study of Social Facts; Social System and Institution; Social Action, Social Stratification and Conflict.	9	AS	
6	Unit 4 Basic units of Society: Family; Marriage; Kinship system; Economic Organization; Political Organization; Religious practices.	9	SD	

Semester I (AY 2023-2024)		Period: _____ to _____		
Paper: CC 2P (Introduction to Socio Cultural Anthropology Lab) (Practical)		Full Marks: 20		Credit: 02
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Methods and Techniques of Social Anthropology The practical will include the following principal methods and techniques in collection of data in Social Anthropology.	9	AS	
2	Observation, Interview, Questionnaire and Schedule, Case study , Life history	9	SD	

**ACADEMIC CALENDAR (ODD SEMESTER)
(ANTHROPOLOGY Honours; CBCS)**

Semester III (AY 2023-2024)		Period: _____ to _____		
Paper: CC5T (Tribes and Peasants in India) (Theory)		Full Marks: 40		Credit: 04
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Anthropological Concept of Tribes - Problems of nomenclature, definition and classification.	6	AS	
2	Characteristics of Tribal Societies of the world in general. Features of tribes in India	6	AS	
3	Tribes and Wider world - The history of tribal administration; Constitutional safeguards	6	AS	
4	Draft National Tribal Policy, Issues of acculturation assimilation and integration. Impact of development schemes and programme on tribal life	6	AS	
5	Anthropological Concept of Village The concept of peasantry	6	AS	
6	Approaches to the study of peasants – economic, political and cultural.	6	AS	
7	Characteristics of Indian village: social organization; economy and changes.	6	AS	
8	Caste system and changes.	6	AS	
9	Ethnicity and Identity Issues Ethnicity issues: Concepts of Ethnicity and Ethnic Identity; Tribal and peasant movements; Identity issues	6	AS	

Semester III (AY 2023-2024)		Period: to		
Paper: CC5P (Tribes and Peasants in India Lab) (Practical)		Full Marks: 20	Credit: 02	
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Reading of Ethnography Student is required to read and analyse any two of the ethnographies (as listed in the reference section) and prepare a report based upon it. The report should clearly link up the study with the concept of tribe and peasantry and delineate clearly the concept used in the text.	9	AS	
2	Research questions/objectives of the study and their relevance. Theoretical schema. Methods and techniques used in the study Key findings and their significance in the context of the objectives of the study. Critical analysis of the finding on the basis of contemporary available resources.	9	AS	

Semester III (AY 2023-2024)		Period: to		
Paper: CC6T (Human Ecology: Biological & Cultural Dimensions) (Theory)		Full Marks: 40	Credit: 04	
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Biological Dimensions Concepts in Ecology: Definition, eco-sensitivity adaptation, acclimation, acclimatization, biotic and abiotic component.	6	PR	
2	Methods of studying human ecology.	6	PR	
3	Adaptation to various ecological stresses; Ecological rules and their applicability to human populations.	6	PR	
4	Impact of urbanization and industrialization on Man	6	SD	
5	Cultural Dimensions - Culture as a tool of adaptation; various modes of human adaptation in pre-state societies. a. Hunting and food gathering b. Pastoralism c. Shifting cultivation	6	SD	
6	Ecological themes of state formation: a. Post Pleistocene Cultural Adaptation (Mesolithic) b. Neolithic revolution, c. Indus Valley Civilization, Egyptian Civilization.	6	SD	
7	Agriculture and peasantry; Civilization and growth of urban and industrial societies	6	SD	

Semester III (AY 2023-2024)		Period: to		
Paper: CC6P (Human Ecology: Biological & Cultural Dimensions Lab) (Practical)		Full Marks: 20 Credit: 02		
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Biological Dimension - Size and Shape measurements – 1. Stature 2. Sitting Height 3. Body Weight 4. Total upper extremity length 5. Total lower extremity length 6. Nasal breadth 7. Nasal height 8. Bi acromian diameter 9. Bi-Iliac diameter	10	PR	
2	Biological Dimension - Size and Shape indices- 1. Body Mass Index 2. Ponderal Index 3. Relative sitting height 4. Relative upper extremity length 5. Relative total lower extremity length 6. Nasal inde	10	PR	
3	Cultural Dimensions Research Project on Biological and Culture aspects with reference to any environmental issues.	10	SD/AS	

Semester III (AY 2023-2024)		Period: to		
Paper: CC7T (Biological Diversity in Human Populations) (Theory)		Full Marks: 40 Credit: 04		
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Unit 1 Concept of Biological Variability: Race/Ethnic Groups Hardy-Weinberg equilibrium. Major evolutionary forces for Genetic Variation Genetic Polymorphism (Serological, Biochemical and Molecular markers – Out line); Concept of Human Adaptation and Acclimatization (Out line). Examples from High Altitude and Cold Adaption. Concept of Allen’s, Bergman’s and Glaser’s rule	6	JRT	
2	Unit 2 Contribution of Risley, Guha, and Sarkar towards understanding ethnic elements in the Indian populations and its criticism.	6	PR	
3	Unit 3 Pre and Proto historic racial / ethnic elements in India. Linguistic classification of Indian population (Out line)	6	JRT	
4	Unit 4 Role of Bio-cultural Factors Cultural Biology; Bio-cultural factors influencing the diseases and nutritional status. Evolution of Human diet, biological perspectives of ageing process among different populations.	6	PR	
5	Unit 5 Demographic Perspective Concept of Demographic Anthropology; Sources of Demographic Data, Demographic Processes, Demographic profile of Indian populations and its growth structure; Concept of Inbreeding and Consanguinity – Biological consequences of inbreeding	6	JRT	
6		6	JRT	

Unit 6 Genetic diversity among Indian Population			
--	--	--	--

Semester III (AY 2023-2024)		Period: _____ to _____		
Paper: CC7P (Biological Diversity in Human Population Lab) (Practical)		Full Marks: 20 Credit: 02		
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Quantitative traits: Anthropometric measurements - 1. Stature 2. Sitting Height 3. Body Weight 4. Total upper extremity length 5. Total lower extremity length 6. Nasal breadth 7. Nasal height 8. Bi acromian diameter 9. Bi-Iliac diameter	9	PR	
2	1. Body Mass Index 2. Ponderal Index 3. Relative sitting height 4. Relative upper extremity length 5. Relative total lower extremity length 6. Nasal index	9	JRT	
3	Polymorphic trait/Markers: ABO Blood Group (as natural antigens), RhD Blood groups (as immune antigens) at least ten participants (using standard techniques). Concept of ABO blood group subtypes and Rh Blood group haplotypes	9	JRT	
4	Polygenic trait Concept of Dermatoglyphics in Population Variation. Collection of Finger Prints (Five Participants) Analysis and interpretation of basic finger pattern types [Whorl, Loop (Ulnar and Radial] and Arch] Indices: Dankmeijer Index, Furuhata's Index and Pattern Intensity index (basic comparison) Collection and interpretation (Fertility Rate, Mortality Rate) of demographic data obtained from primary or secondary sources.	9	JRT	

Semester III (AY 2023-2024)		Period: _____ to _____		
Paper: SEC1T (Business and Corporate Anthropology) (Theory)		Full Marks: 40 Credit: 04		
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Business and corporate Anthropology: History and subject matter	8	AS	
2	Applied anthropology in industry, application of the ethnography in business management	8	AS	
3	Anthropology and consumer behaviour	8	AS	
4	Globalization, international trade and anthropology	8	AS	
5	Techniques for Conducting Fieldwork for Business Organizations	4	AS	

**ACADEMIC CALENDAR
(ANTHROPOLOGY Honours; CBCS)**

Semester V (AY 2023-2024)		Period:	to		
Paper: CC11T (Human Population genetics) (Theory)		Full Marks: 40	Credit: 04		
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark	
1	Basic Genetics Outline of the landmarks in the history of genetics, Principles in human genetics, Mendelian Laws: Mendelian inheritance in man. Penetrance and expressivity Outline of Quantitative genetics, quantitative/complex inheritance, multifactorial and polygenic inheritance, Multiple alleles, Co-dominance. Outline of the methodology human genetics: Family method, Twin Method, Cytogenetics, Population genetics Exceptions to Mendelian Inheritance: Outline: Linkage (Sex linkage and sex influenced traits), Epistasis and genomic imprinting	10	JRT		
2	Ecological Genetics and Polymorphism Concept of Phenotype and Genotype Genetic Polymorphism: transient polymorphism and balanced polymorphisms (Sickle cell trait and Malaria) Association of Polymorphism: Relationship of Communicable disease and non communicable disease with Blood groups.	10	JRT		
3	Equilibrium of allele frequency: Hardy-Weinberg principle Genotype and allele frequencies, Concept of Hardy-Weinberg equilibrium, its applications and alternation in evolutionary perspective	10	JRT		
4	Dynamics of Allele Frequency: Evolutionary Forces Mutation, selection (pattern and mechanism), Genetic drift (bottle neck and founder effect), Gene flow/migration, inbreeding (inbreeding co-efficient and its genetic consequences)	10	JRT		
5	Population structure and admixture in human populations Concept of Random and non-random mating (positive and negative assortative mating), heritability, linkage disequilibrium, Concept of genetic markers utility: heterozygosity (Polymorphism Information Content), Forensic Anthropology, Disease association.	10	JRT		
6	Human evolutionary genetics Concept of Evolutionary Development (Evo-Devo), Outline of Evolutionary Biology. From Mendel to molecules: A brief history of evolutionary genetics. Human-Ape comparisons.	10	JRT		

Semester V (AY 2023-2024)		Period: _____ to _____		
Paper: CC11P (Human Population Genetics Lab) (Practical)		Full Marks: 20		Credit: 02
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Blood group typing- ABO blood group (A1, A2, B, O), MN Blood Group and Rh (D) (At least 10 participants. Allele frequency estimation. Heterozygosity score. Testing of Hardy Weinberg equilibrium.	3	JRT	
2	Color Blindness: Deutan and Protan type. Estimation of carriers. Estimation of male female ratio (at least 20 participants)	3	JRT	
3	Identification of Sex Chromatin (Inactivated X Chromosomes): one male and one female, 50 cells each	3	JRT	
4	PTC taste testing ability: At least 20 participants. Allele frequency estimation.	3	JRT	

Semester V (AY 2023-2024)		Period: _____ to _____		
Paper: CC12T (Anthropology in Practice) (Theory)		Full Marks: 40		Credit: 04
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Academic Anthropology Academics and Practitioners: Differences, Structure, Activities, Controversies and Issues: Applied Anthropology, Action Anthropology and Development Anthropology.	12	AS	
2	Role of Anthropology in Development Anthropology and Public Policy, Need Assessment and Community Development, Anthropology of NGO's, Management Anthropology, Environment and Community Health, Social and economic sustainability, Cultural resource management	12	AS	
3	Future Dynamics in Anthropology Trends in Anthropology: Anthropology of Tourism, Anthropology In Census operation; Designing And Fashion, Visual Anthropology	12	AS	
4	Constitutional Perspective and Human Rights Constitutional Provisions, Evaluation, Planning and Development of Indian Populations; Human Rights, Interrelationships of rights and duties: Harmony and Conflict, Protection and enforcement of human rights and duties, National and State Human Rights Commission and other grievance redressal mechanism, Human rights of special category and marginal groups, Emerging trends of human rights respective to terrorism, environment and globalization	12	SD	
5	Biosocial anthropology in practice Bio-social elements of human development at national and international level, application of conceptual framework of Forensic Anthropology	12	SD	

	in judicial settings both criminal and civil, Population Dynamics and relationship between population growth and various aspects of culture such as means of subsistence, kinship, social complexity, social stratification and political organization, Bio-social counselling of an individual or population			
--	---	--	--	--

Semester V (AY 2023-2024)		Period: to		
Paper: CC12P (Anthropology in Practice Lab) (Practical)		Full Marks: 20	Credit: 02	
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Write a project on constitutional provisions or evaluation of any development project/report.	3	SD	
2	Write a project on Religious Tourism / Tribal Tourism / Health Tourism / Fashion / Human Rights / Ecotourism.	3	SD	
3	Write a project on the demographic profile from secondary data.	3	SD	
4	Collect data on bio-social problem and design counselling and give the analysis and interpretation.	3	SD	

Semester V (AY 2023-2024)		Period: to		
Paper: DSE1 (Sports and Nutritional Anthropology) (Theory)		Full Marks: 40	Credit: 04	
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Unit I: Anthropology of sports- Physical fitness, component of physical fitness	9	PR	
2	Unit II: Physical conditioning, training-techniques and physiological effects, environmental effects on physical performance: effect of heat stress, cold stress and high altitude on physiological response and performance.	9	PR	
3	Unit III: Body composition and Athletes, sports selection and monitoring	9	PR	
4	Unit IV: Human biological variability, health and nutrition; doping and performance; cultural constructions and physiologic implications of food across time, space and society; an integrated bio-behavioural perspective towards food preference.	9	PR	

Semester V (AY 2023-2024)		Period: _____ to _____		
Paper: DSE 1 (Sports and Nutritional Anthropology Practical) (Practical)		Full Marks: 20	Credit: 02	
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Assessment of daily nutrient intake	12	PR	
2	Evaluate association of nutritional status and physical performance	12	PR	
3	Demonstrate cultural perspective for preference of specific food of a population	12	PR	

Semester V (AY 2023-2024)		Period: _____ to _____		
Paper: DSE2 (Paleoanthropology) (Theory)		Full Marks: 40	Credit: 04	
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Unit I: Dating methods, geological time scale, taphonomy and interpretation of the paleontological and archaeological records, taxonomic and chronological problems of fossils records.	6	AS	
2	Unit II: Primate speciation and extinctions: a geological perspective, adaptive primate radiation, differential rate of somatic evolution.	6	AS	
3	Unit III: Evolutionary biology: Origins and evolution of stone age technology (Human origins: Development, distribution and fossilized evidence of Australopithecines, Paranthropus (Zinjanthropus), Homo habilis, Homo erectus, Archaic H. sapiens, prehistoric hunter-gatherers, modern pastoral communities, emergence of prehistoric people in Africa).	6	AS	
4	Unit IV: Primate and Non-Primate Models for Early Hominid Behaviour; hominization process- Evolution of hominid-human bipedalism	6	AS	
5	Unit V: Palaeodemography- reconstruction of population patterns from skeletal analysis, determination of demographic variables in prehistoric populations and post-neolithic population growth, theory and techniques in paleodemography, methodological issues for reconstructing demographic structure, demographic models of mortality and their interpretation	6	AS	
6	Unit VI. Palaeopathology- bioarchaeological approach of disease; effects of agriculture, urbanization and slavery on health and disease; colonization and disease with special emphasis on the New World; dispersion of modern humans - molecular and morphological patterns of relationship	6	AS	

--	--	--	--	--

Semester V (AY 2023-2024)		Period: to		
Paper: DSE 2 (Paleoanthropology (Practical)) (Practical)		Full Marks: 20	Credit: 02	
Sl. No.	TOPICS	CLASSES ALLOTTED	Class taken by	Remark
1	Comparative primate osteology	9	SD/AS	
2	Description and identification of the disarticulated skeleton of non-human primates	9	SD/AS	
3	Identification and description of fossil casts	9	SD/AS	
4	Excursion to a site for seven days for collection of fossil material and its report	9	SD/AS	