



**KARNATAK UNIVERSITY, DHARWAD
ACADEMIC (S&T) SECTION**

**ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
ವಿದ್ಯಾಮಂಡಳ (ಎಸ್&ಟಿ) ವಿಭಾಗ**



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NAAC Accredited
'A' Grade 2014

website: kud.ac.in

No. KU/Aca(S&T)/JS/MGJ(Gen)/2024-25/612
ಅಧಿಸೂಚನೆ

Date:
27 JUL 2024

ವಿಷಯ: ಸರ್ಕಾರದ ಆದೇಶ ದಿನಾಂಕ: 08.05.2024 ಅನುಸಾರ 2024-25ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಎಲ್ಲ ಸ್ನಾತಕ ಪದವಿಗಳಿಗೆ NEP ಅಡಿಯಲ್ಲಿ ಪ್ರೋಗ್ರಾಂ ವಿನ್ಯಾಸ (Curriculum Structure)ದಂತೆ ಪರಿಷ್ಕೃತ ಪಠ್ಯಕ್ರಮದ ಅನುಷ್ಠಾನ ಕುರಿತು.

- ಉಲ್ಲೇಖ: 1. ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಗಳು, ಉನ್ನತ ಶಿಕ್ಷಣ ಇಲಾಖೆ ಇವರ ಆದೇಶ ಸಂಖ್ಯೆ: ಇಡಿ 166 ಯುಎನ್‌ಇ 2023, ದಿ: 08.05.2024.
2. ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ ಸಭೆಯ ನಿರ್ಣಯಗಳ ಸಂ:2, 3, 4, 5, 6, 7, 8 & 9, ದಿ:16.07.2024.
3. ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ: 27/07/2024

ಮೇಲ್ಕಾಣಿಸಿದ ವಿಷಯ ಹಾಗೂ ಉಲ್ಲೇಖಗಳನ್ವಯ, ಉಲ್ಲೇಖ-01ರ ಸರ್ಕಾರ ಆದೇಶಾನುಸಾರ 2024-25ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಅನ್ವಯವಾಗುವಂತೆ, ಈ ಕೆಳಗಿನ ಎಲ್ಲ ಸ್ನಾತಕ ಪದವಿಗಳ NEP ಅಡಿಯ ಪ್ರೋಗ್ರಾಂ ವಿನ್ಯಾಸ (Curriculum Structure)ದಂತೆ ಪರಿಷ್ಕೃತ ಪಠ್ಯಕ್ರಮ ರಚನೆ ಕುರಿತಾಗಿ ಸಂಬಂಧಿಸಿದ ಅಭ್ಯಾಸಸೂಚಿ ಮಂಡಳಿ ಹಾಗೂ ನಿಖಾಯಗಳ ಶಿಫಾರಸ್ಸಿನಂತೆ ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ ಸಭೆಯ ಅನುಮೋದಿತ ಪದವಿಗಳ ಪಠ್ಯಕ್ರಮಗಳನ್ನು ಕೆ.ವಿ.ವಿ. ಅಂತರ್ಜಾಲ www.kud.ac.in ದಲ್ಲಿ ಭತ್ತರಿಸಲಾಗಿದೆ. ಸದರ ಪಠ್ಯಕ್ರಮಗಳನ್ನು ಕೆ.ವಿ.ವಿ. ಅಂತರ್ಜಾಲದಿಂದ ಡೌನ್‌ಲೋಡ್ ಮಾಡಿಕೊಳ್ಳಲು ಸೂಚಿಸುತ್ತ ವಿದ್ಯಾರ್ಥಿಗಳು ಹಾಗೂ ಸಂಬಂಧಿಸಿದ ಎಲ್ಲ ಬೋಧಕರ ಗಮನಕ್ಕೆ ತಂದು ಅದರಂತೆ ಕಾರ್ಯಪ್ರವೃತ್ತರಾಗಲು ಕೆ.ವಿ.ವಿ.ಯ ಎಲ್ಲ ಅಧೀನ ಹಾಗೂ ಸಂಬಂಧಿಸಿದ ಮಹಾವಿದ್ಯಾಲಯಗಳ ಪ್ರಾಚಾರ್ಯರುಗಳಿಗೆ ಸೂಚಿಸಲಾಗಿದೆ.

ಅ.ಸಂ.	ಪದವಿ		ಸೆಮಿಸ್ಟರ್
1	1	B.A	8 BTM
	2	BSW	9 B.Sc
	3	B.Sc. (H.M)	10 BCA
	4	B.Com	11 B.Com (CS)
	5	B.Com (E-Commerce Operation)	12 B.Com (Retail Operations)
	6	B.Com (Banking Financial Services & Insurance)	13 B.Com (Logistics)
	7	BBA	14 BBA (Logistics Management)
2	1	B.Sc (Data Science)	2 B.Sc (Artificial Intelligence & Machinery Learning)
3	1	BASLP	3 BPA
	2	BVA	4 B.Sc. Pulp & Paper

ಅಡಕ: ಮೇಲಿನಂತೆ

A. Channarayana
ಕುಲಸಚಿವರು.

ಗೆ,
ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಎಲ್ಲ ಅಧೀನ ಹಾಗೂ ಸಂಬಂಧಿಸಿದ ಮಹಾವಿದ್ಯಾಲಯಗಳ ಪ್ರಾಚಾರ್ಯರುಗಳಿಗೆ. (ಕೆ.ವಿ.ವಿ. ಅಂತರ್ಜಾಲ ಹಾಗೂ ಮಿಂಚಂಚೆ ಮೂಲಕ ಬಿತ್ತರಿಸಲಾಗುವುದು)

ಪ್ರತಿ:

- ಕುಲಪತಿಗಳ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು / ಕುಲಸಚಿವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು / ಕುಲಸಚಿವರು (ಮೌಲ್ಯಮಾಪನ) ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ಕೆ.ವಿ.ವಿ. ಧಾರವಾಡ.
- ಆಧೀಕ್ಷಕರು, ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆ / ಗೌಪ್ಯ / ಜಿ.ಎ.ಡಿ. / ವಿದ್ಯಾಂಡಳ (ಪಿ.ಜಿ.ಪಿ.ಎಚ್.ಡಿ) ವಿಭಾಗ, ಸಂಬಂಧಿಸಿದ ಕೋರ್ಸುಗಳ ವಿಭಾಗಗಳು ಪರೀಕ್ಷಾ ವಿಭಾಗ, ಕೆ.ವಿ.ವಿ. ಧಾರವಾಡ.
- ನಿರ್ದೇಶಕರು, ಕಾಲೇಜು ಅಭಿವೃದ್ಧಿ / ವಿದ್ಯಾರ್ಥಿ ಕಲ್ಯಾಣ ವಿಭಾಗ / , ಕೆ.ವಿ.ವಿ. ಧಾರವಾಡ.
- ನೋಡಲ್ ಅಧಿಕಾರಿಗಳು, ಯು.ಯು.ಸಿ.ಎಂ.ಎಸ್. ಘಟಕ, ಕೆ.ವಿ.ವಿ. ಧಾರವಾಡ.
- ಎನ್.ಇ.ಪಿ. ನೋಡಲ್ ಅಧಿಕಾರಿಗಳು, ಸಿ.ಡಿ.ಸಿ. ವಿಭಾಗ, ಕೆ.ವಿ.ವಿ. ಧಾರವಾಡ.



KARNATAKUNIVERSITY,DHARWAD

B.Sc.(Anthropology)
SYLLABUS

WithEffectfrom2024-25

DISCIPLINE SPECIFIC CORE COURSE (DSC)

FOR SEM I -VI,

**SKILLENHANCEMENTCOURSE(SEC)FOR
SEMIV/V/VI and ELECTIVE COURSES FOR SEM
V AND VI**

ASPERNE P(Revised):2024

Karnatak University, Dharwad

B.Sc.in -Anthropology

Effective from 2024-25

Sem.	Type of Course	Theory/ Practical	Course Code	Course Title	Instruction hour/week	Total hours / sem	Duration of Exam	Marks			Credits
								Formative	Summative	Total	
I	DSC-1	Theory	C1ANT1T1	Foundations of Anthropology	04hrs	60	03hrs	20	80	100	04
	DSC-2	Practical	C1ANT1P1	Practicals in Human Anatomy	04hrs	56	03hrs	10	40	50	02
II	DSC-3	Theory	C2ANT1T1	Biological Anthropology	04hrs	60	03hrs	20	80	100	04
	DSC-4	Practical	C2ANT1P1	Anthropometry and Somatoscopy	04hrs	56	03hrs	10	40	50	02
III	DSC-5	Theory	C3ANT1T1	Human Genetics	04hrs	60	03hrs	20	80	100	04
	DSC-6	Practical	C3ANT1P1	Human Genetics and Counseling	04hrs	56	03hrs	10	40	50	02
IV	DSC-7	Theory	C4ANT1T1	Socio-Cultural and Archaeological anthropology	04hrs	60	03hrs	20	80	100	04
	DSC-8	Practical	C4ANT1P1	Tools in Socio-Cultural Anthropology and Prehistoric Archaeology	04hrs	56	03hrs	10	40	50	02
*V	DSC-9A	Theory	C5ANT2T1	Anthropological Research Techniques and Methods	04hrs	60	03hrs	20	80	100	04
	DSC-10A	Practical	C5ANT2P1	Research Methodology	04hrs	56	03hrs	10	40	50	02
	DSC-9B	Theory	C5ANT2T2	Anthropology of Indian Society	04hrs	60	03hrs	20	80	100	04
	DSC-10B	Practical	C5ANT2P2	Practicals in Anthropology of Indian Society	04hrs	56	03hrs	10	40	50	02
*VI	DSC-11A	Theory	C6ANT2T1	Tribes of India	04hrs	60	03hrs	20	80	100	04
	DSC-12A	Practical	C6ANT2P1	Fieldwork or Project work	04hrs	56	03hrs	10	40	50	02
	DSC-11B	Theory	C6ANT2T2	Nutritional Anthropology	04hrs	60	03hrs	20	80	100	04
	DSC-12B	Practical	C6ANT2P2	Practical in Nutritional Anthropology	04hrs	56	03hrs	10	40	50	02
V	EC-1	Theory	C5ANT5T1	Foundations of Anthropology	03hrs	45	03hrs	20	80	100	03
VI	EC-2	Theory	C6ANT5T1	Sports Anthropology	03hrs	45	03hrs	20	80	100	03
IV/V/VI **	Skill	Practical	C0ANT6P1	Forensic Anthropology	04hrs	56	03hrs	10	40	50	02

*Student shall either DSC 9A and DSC10A or DSC 9B and DSC10B in 5th semester. Similarly, DSC 11A and DSC12A or DSC 11B and DSC12B in 6th semester.

** Student shall study Skill of this subject either in 4th / 5th / 6th but not in all the semester.

Karnatak University, Dharwad

B.Sc. Anthropology

Programme Specific Outcomes (PSO):

On completion of the 03 years Degree in Anthropology students will be able to:

PSO1: Understand meaning, definitions, nature, scope and the relevance of Anthropology.

PSO 2: Comprehensively understand the major branches of Anthropology i.e Biological, Socio-Cultural, Linguistic, Archaeological and applied fields of Anthropology.

PSO 3: Analyze man as a part of Society and focus on a broad, comparative and holistic approach to study human history(cultural and organic), language, society and behavior.

PSO 4: Develop insight into human variations and adaptations to environment.

PSO 5: Students will be skilled in Anthropological approaches, techniques methodologies and study designs.

PSO 6: In-depth exploration of indigenous or tribal communities in India and appreciate the rich cultural heritage and strategies in preserving indigenous knowledge and traditions.

PSO 7: Acquire practical skills of Anthropometry, Research methodology and Research projects.

PSO 8: To apply tools, techniques, and methods of Anthropology in all fields of Anthropology

PSO 9: Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of Research projects.

PSO 10: Skillfully tackle the research issues in Anthropological perspective and devise solutions.

PSO 11: Relate to all discipline specific core papers(theory as well as practical) EC and SEC papers with Socio-Cultural, Economic, political, and biological environment of communities.

PSO 12: To build confidence in the student, to be able to work on his own in Anthropological institutions and other organizations.

B.SC. Semester-I
Discipline Specific Course (DSC)
Course Title: FOUNDATIONS OF ANTHROPOLOGY
Course Code: C 1 ANT 1 T 1

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
DSC-1	Theory	04	04	60hrs.	3hrs.	20	80	100

Course Outcomes (COs): At the end of the course students will be able to:

- CO1: Lay a long-term foundation for understanding anthropology nature, scope and relevance of anthropology, its holistic nature to demonstrate, solve the major concepts in the disciplines of anthropology.
- CO2: Comprehensively understand the major branches of anthropology i.e. Social-cultural, Biological, Archaeological, Linguistic and Applied anthropology.
- CO3: Understand the relationship with other disciplines-Humanities, Life Sciences and Social Sciences.
- CO4: Learn the applications of anthropology in the field of Ecological, medical, psychological, forensic, urban and development anthropology.
- CO5: The student will be able to define and explain the basic concepts in Anthropology and how the discipline is relevant to gain a holistic understanding of human beings.

Unit	Title: FOUNDATIONS OF ANTHROPOLOGY	60 hrs/sem
Unit I	Anthropology and Main Branches: - Meaning, Definition, Nature and Scope of Anthropology, - Main Branches of Anthropology: Socio-Cultural Anthropology, - Physical/Biological Anthropology, Archaeological Anthropology, Linguistic and Applied Anthropology. - Holistic & other Perspectives, Relevance of Anthropology.	15 hrs
Unit II	Sub Branches of Anthropology: - Ecological Anthropology and Medical Anthropology. - Psychological Anthropology, Urban Anthropology. - Forensic Anthropology and Development Anthropology.	15 hrs
Unit III	Anthropology and other disciplines: - Anthropology and Humanities. - Anthropology and Life Science. - Anthropology and Social Science.	15 hrs
Unit IV	Basic Concepts in Anthropology: - Society and Culture. - Community, Group, Association, Institution, Status and Role, - Social Structure, Social Organization and Norms and Values. - Fieldwork Tradition in Anthropology, Ethnology and Ethnography.	15hrs

Books recommended:

- 1 Beals & Hoijer 1954. An Introduction to Anthropology; New York: Macmillan.
- 2 Bohannan Paul 1963. Social Anthropology, New York. Holt.
- 3 Das B.M. 1997. Outlines of Physical Anthropology, Allahabad: Kitab Mahal.
- 4 Ember & Ember. 1977. Anthropology, Englewood Cliffs. NJ: Prentice Hall.
- 5 Evans-Pritchard. 1954. Social Anthropology, London: Cohen & West.
- 6 Fox R, 1967. Kinship and Marriage, Cambridge University Press.
- 7 Fried Morton H. 1967. Readings in Anthropology. New York: Crowell.
- 8 Friedl. J 1976. Human Potrait, Prentice, Hall Inc. New Jersey.
- 9 Harris, Marvin 2001a [1968], The Rise of Anthropological Theory: A History of Theories of Culture, Walnut Creek, AltaMira Press, California.
- 10 Herskovits M.J. 1960. Man and his Works, New York : Knopf Publications
- 11 Hoebel and Frost. 1975. Cultural and Social Anthropology, US; McGraw-Hill.
- 12 Jagadeesh V. 2005. *Manavashastra*, Bangalore: CVG Publications.
- 13 Kardiner Abraham 1962. They Studied Man, London: Secker & Warburg.
- 14 Keesing P.M. 1958. Cultural Anthropology, New York: Rinehart.
- 15 Kingsely Davis 1959. Human Society, New York; Mac Milian
- 16 Kluckhohn Clyde 1949. Mirror for Man, London ; Harrap.
- 17 Kroeber A.L. 1948. Anthropology, New York : Harcourt.
- 18 Linton R. 1936. The Study of Man: An Introduction, Appleton-Century.
- 19 Linton R. 1958. The Cultural Background of Personality, London : Rutledge.
- 20 M.H. Fried 1976. Exploration in Anthropology.
- 21 Madan & Majumdar 1956. Introduction to Social Anthropology, Bombay: Asia Publishers.
- 22 Mc.Iver, R.M. 1959. Society, An Introductory Analysis London : Mac-Milan.
- 23 Roseberry, William 1988. The Study of Man Annual Review of Anthropology. 161–85.
- 24 Shankar Rao C.N. 2001: Sociology of Indian Society. S. Chand Publication, New Delhi

FormativeAssessmentforTheory	
AssessmentOccasion/Type	Marks
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
Total	20Marks
FormativeAssessmentasper guidelines	

B.Sc. Semester-I
Discipline Specific Course (DSC)
Course Title: PRACTICALS IN HUMAN ANATOMY
Course Code: C 1 ANT 1 P 1

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
DSC-2	Practical	02	04	56hrs.	3hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

- CO1: Understand the human anatomy, Osteology, human skeletal system,
CO2: Learn the applications of identifying the difference between male and female skeletal system.
CO3: Identification of bones and fragments of human skeleton.
CO4: In-depth study of long bones viz., Humerus, Radius, Ulna, Femur, Tibia and Fibula.
CO5: Learn the applications of Age and sex determination of human skull and other bones.

List of the Experiments, each will have 4rs / Week (Minimum 12 Experiments)

Experiment 1: Introduction and Bones of Upper Extremity
• Introduction to Human Anatomy, Osteology, Physiology.
• The Study of Human Skeletal System
• Difference between Male and Female Skeleton, Comparative Anatomy of Man & Apes
• Identification of bones and fragments of human skeleton
• Hand Bone- The Humerus
• Hand Bone- The Radius
• Hand Bone- The Ulna
Experiment 2: Bones of Lower Extremity and Determination of Age and Sex
• Leg Bone- Femur
• Leg Bone- Tibia
• Leg Bone- Fibula
• Comparison of Male and Female Skull, Pelvis and Femur
• Age and Sex Determination of Human Skull and other bones

Instructions if any:

Practical Batches: 15 students per batch

Pedagogy: Pedagogy includes lecture, observation, active learning, discussion, demonstration, determination, and classification methods.

Summative Assessment Marks for Practical	
1. Experiments	25
2. Viva-voce	05
3. Practical Journal	10
Total	40 Marks

Books recommended:

1. Das B.M. 1997. Outlines of Physical Anthropology, Allahabad: Kitab Mahal.
2. Nath P. 2018. Physical Anthropology, Higher Publishers, New Delhi.
3. Rami Reddy R. 1991. Physical Anthropology: Evolution and Genetics, Tirupati: V. Indira Publishers.
4. Frank H. Netter.2018. Atlas of Human Anatomy, 7th edition

B.Sc. Semester– II
Discipline Specific Course (DSC)-
Course Title: BIOLOGICAL ANTHROPOLOGY
Course Code: C 2 ANT 1 T 1

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-3	Theory	04	04	60hrs.	3hrs.	20	80	100

Course Outcomes (COs): At the end of the course students will be able to:

CO1: The course will help the students to understand the concept of organic evolution and various theories pertaining to origin and evolution of life.

CO2: The course will help students to develop concepts pertaining to the relation of modern humans with living and non-living primates.

CO3: The course will help in understanding various stages of human organic evolution

CO4: The course will enhance students understanding of human Growth and clearly identify the cultural, social and biological factors which influence human growth and development.

CO5: The course will help the students to appreciate human variations through concept of races.

CO6: The course will help to understand the processes involved in formation of races.

Unit	Title: -Biological Anthropology	60 hrs/ sem
Unit I	Introduction to Biological Anthropology: - Meaning and Scope of Biological Anthropology, Branches of Biological Anthropology and its relation with other sciences. - History and development of Biological Anthropology. - Theories of Evolution (Lamarckism and Neo-Lamarckism, Darwinism, and Neo-Darwinism, Mutation and Neo-Mutation Theory.)	15 hrs
Unit II	Man, and other Primates: - Man's place in Animal Kingdom - The Order Primate: Classification and characteristics of living primates. Comparative anatomy and behavior of human and non-human primates, Significance of non-human primate study in Biological Anthropology. - Stages of Human Organic Evolution: Dryopithecus, Ramapithecus, Australopithecus, Homo habilis, Homo erectus, Neanderthal, Cro-Magnon.	15 hrs
Unit III	Human Growth and Nutrition: - Human Growth and Variation: Stages of Human Growth: Prenatal, Infancy, Childhood, Adolescence, Maturity, Senescence. - Factors Affecting Human Growth: Genetic, Environmental, Hormonal, Nutritional, Socio-economic, Secular trends, Gerontology. Methods of Studying human growth and development: Longitudinal, Cross-sectional, Mixed Longitudinal and Growth Curves. - Human Nutrition: Assessment Components: Dietary needs: Vitamins, Minerals, calories, amino acids, fatty acids, Proteins, Carbohydrates. Under-nutrition: Obesity, Malnutrition and Nutritional deficiency Disorders.	15 hrs

UnitIV	Human Variation: - Human Races: Criteria of racial Classification: Skin, Hair Colour, Eye Colour, Stature. - Factors responsible for formation of races. - Major Races of the world.	15hrs
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Recommended books:

1. Morris, L. N. 1973. Human Populations, Genetic variation and Evolution, Chandler, London.
2. Buettner Janusch, J. 1969. Origin of Man. New Delhi; Wiley Es.
3. Das, B.M. 1997, Outlines of Physical Anthropology, Allahabad: Kitab Mahal.
4. Harrison, G. A. et al.,(Ed) 1990. Human Biology, Oxford Press.
5. Shukla and Sudha Rastogi, 1999. Physical Anthropology and Human Genetics. Konark Press, Delhi.
6. Stein and Rowe, 1978, The new Physical Anthropology; New York, Mac Milian.
7. Ember and Ember 1977. Anthropology, Englewood cliffs, Nj: Prentice hall.
8. Nath P. 2018. Physical Anthropology, Higher Publishers, New Delhi.

FormativeAssessmentforTheory	
AssessmentOccasion/type	Marks
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
Total	20Marks
<i>FormativeAssessmentasperguidelines.</i>	

B.Sc. Semester–II
Discipline Specific Course (DSC)
Course Title: ANTHROPOMETRY AND SOMATOSCOPY
Course Code: C 2 ANT 1 P 1

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-4	Practical	02	04	56hrs.	3hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

- CO1: Identify various views of skull and relate to Anthropological significance.
CO2: Determine various Anthropometric measurements.
CO3: Calculate different indices and relate to their Anthropological significance
CO4: Identify Somatoscopic criteria.
CO5: Get insight into human variations
CO6: Gain scientific basis of human variations

List of the Experiments, each will have 4rs / Week (Minimum 12 **Experiments**)

Experiment 1: Craniology:	Experiment 2: Anthropometry and Somatoscopy
Identifying landmarks (any 15) on Human skull	Maximum head length, Maximum head breadth, Minimum frontal breadth, Maximum bizygomatic breadth, Bigonial breadth, Head Circumference
Identification and drawing of Norma Verticalis.	Nasal height, Nasal length, Nasal breadth
Identification and drawing of Norma Lateralis.	Physiognomic facial height, Morphological facial height.
Identification and drawing of Norma Frontalis.	Standing and Sitting Height and Calculation of BMI
Identification and drawing of Norma Occipitalis.	Cephalic index, Facial index, Nasal index
Identification and drawing of Norma Basalis.	Head form, Facial, Nose and Eye form Skin Colour, Hair form

Instructions if any:

Practical Batches: 15 students per batch

Pedagogy: Pedagogy includes lecture, active learning, discussion, demonstration, determination, and classification and observation methods.

Summative Assessment Marks for Practical	
1. Experiments	25
2. Viva-voce	05
3. Practical Journal	10
Total	40 Marks

Books recommended:

1. Das B.M. 1997 Outlines of Physical Anthropology, Allahabad: Kitab Mahal.
2. Firth Raymond 1953. Human Types, London; Melson.
3. Montague Ashley 1964. 'The Origin and Evolution of Man', Glencoe, Free Press.
4. Jagadeesh V. 2005. '*Manavashastra*', CVG Publications, Bangalore.
5. Rami Reddy R. 1991. Physical Anthropology: Evolution and Genetics, Tirupati: V. Indira Publishers
6. Sudha Rastogi and B.R.K Shukla, 2021. Laboratory manual of Physical Anthropology, 2nd Ed, A.P.A.C, New Delhi.

B.Sc. Semester–III
Discipline Specific Course (DSC)-
Course Title: HUMAN GENETICS
Course Code: C 3 ANT 1 T 1

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-5	Theory	04	04	60hrs.	3hrs.	20	80	100

Course Outcomes (COs): At the end of the course students will be able to:

CO1: Student will acquire basic understanding of the structure and function of DNA and the concept of gene.

CO2: Understand the different blood groups systems and their distribution in different human populations

CO3: Understand the inheritance pattern of human traits/diseases and types of chromosomal abnormalities

CO4: Understand the basic methods and techniques used in human genetics.

CO5: Student will be able to understand the importance of genetic counseling, prenatal diagnosis and newborn screening.

CO6: Understand new and emerging fields in human genetics.

Unit	Title: Human Genetics	60 hrs/sem
Unit I	Human Genetics: - Nature and meaning of Human Genetics, its branches and relevance. - Study of Human Cell and its functions, Cell Division: Mitosis and Meiosis and their significance. - Blood groups: Major types, MNS, ABO, Rh and Bombay Blood group, Antigens and Antibodies.	15 hrs
Unit II	Heredity: - Mendel's laws of Heredity and its applications in humans. - Modes of Inheritance: Autosomal (Dominance, Recessive and Co-Dominance), Sex-linked, Sex-influenced, Sex-limited and Mitochondrial. - Methods of Studying Heredity: Pedigree analysis, Twin Methods, Cytological Studies and DNA Method.	15 hrs
Unit III	Genes and Chromosomes: - Chromosomal Abnormalities: Numerical (Turner's Syndrome, Klinefelter's Syndrome, Down's Syndrome, Patau's Syndrome, Edward's Syndrome) and Structural (Cri-du-chat syndrome, Philadelphia Chromosomes) abnormalities. - Human Genome Project: Major findings and outcomes, ethical, legal and social implications (ELSI) - Genes and their functions: Expression and Regulation, Genotype and Phenotype.	15 hrs

UnitIV	Application and new trends in Human Genetics: • Genetic Engineering: Gene Therapy, Genetic Screening of Hereditary Diseases and Genetic Counseling. • DNA Finger Printing/Typing and Paternity Diagnosis. • New areas in Human Genetics: Stem Cell Research, Cloning and Eugenics.	15hrs
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Books recommended:

1. Buettner Janusch, J. 1969. Origin of Man. New Delhi; Wiley Es.
2. Conner, J.M.,MAF 2000. Essential Medical Genetics Blackwell Sci. Pub, Oxford.
3. Gustavo Maroni 2001. Molecular and Genetic Analysis of Human Triats, Viley-Blackwell.
4. ISCN (1995): An international system for human cytogenetic nomenclature. F. Mitleman
5. Karger, Freiburg.
6. Harrison, G. A. et al.,(Ed) 1990. Human Biology, Oxford Press.
7. Leviton Max and Montagu Ashley, 1977, Text book of Human Genetics.
8. Limoine, W.R., Cooper,D.NB 1996. Gene Trophy, Bios Scientific Pub. Oxford.
9. Levine, R. P. Genetics, New York, Holt.
10. Mange, E.J. and Mange, A.P. 1999. Basic Human Genetics, 2nd Ed. Sinauer Assoc. Inc. Mass.
11. Pasternak, S. 2000. Introduction to molecular human genetics, Fritzgarland.
12. Snustad, D.P., Simmons, M.J. 2003. Principles of Genetics 3rd ed. John Wiley & Sons Inc. N.Y.
13. Stun Curt, 1960. Principles of Human Genetics, Sanfrancisco: Freeman Publication.
14. Thompson, M.W., Mc. Innes, R.R., Willard, M.F. (1991), 5th Edn W.B. Saunders and Co. London.
15. Gangane S.D, Human Genetics, 5th Ed, Elsevier India

FormativeAssessmentforTheory	
AssessmentOccasion/type	Marks
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
Total	20Marks
<i>FormativeAssessmentasperguidelines.</i>	

B.Sc. Semester– III
Discipline Specific Course (DSC)
Course Title: HUMAN GENETICS AND COUNSELLING
Course Code: C 3 ANT 1 P 1

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-6	Practical	02	04	56hrs.	3hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

CO1: Determine human blood groups and understand the distribution of blood groups in different groups

CO2: Detect genetic disorders

CO3: Measure Blood sugar and Blood pressure

CO4: Understand significance of Genetic counselling

CO5: Understand the fundamental principles of the science of fingerprinting

CO6: Understand the application of dermatoglyphics in anthropology and other disciplines

List of the Experiments, each will have 4rs / Week (Minimum 12 Experiments)

Expenditure 1: Serology and Dermatoglyphics
• Determination of ABO and Rh Blood groups.
• Visit to blood bank Hospital and Report writing
• Finger and Palmar prints of the subjects.
• Ridge types, and Ridge counting
• Ridge patterns and ATD angle
• Tracing Mainline Formula
Expenditure 2: Human Genetic Disorders:
• Diagnosis of colour blindness by using Ishihara Plate Test Chart.
• Determination of Taste sensitivity by PTC test
• Determination of Blood sugar level
• Determination of Blood pressure
• Genetic Counselling: Practical, legal and ethical aspects
• Visit to Genetic Counselling/Testing center and Report writing

Instructions if any:

Practical Batches: 15 students per batch

Pedagogy: Pedagogy includes lecture, active learning, discussion, demonstration, determination, and classification and observation methods.

Summative Assessment Marks for Practical	
1. Experiments	25
2. Viva-voce	05
3. Practical Journal	10
Total	40 Marks

Books recommended:

1. Buettner Janusch, J. 1969. Origin of Man. New Delhi; Wiley Es.
2. Conner, J.M.,MAF 2000. Essential Medical Genetics Blackwell Sci. Pub, Oxford.
3. Gustavo Maroni 2001. Molecular and Genetic Analysis of Human Triats, Viley-Blackwell.
4. ISCN (1995): An international system for human cytogenetic nomenclature. F. Mitleman Karger, Freiburg.
5. Harrison, G. A. et al.,(Ed) 1990. Human Biology, Oxford Press.
6. Leviton Max and Montagu Ashley, 1977, Text book of Human Genetics.
7. Limoine, W.R., Cooper,D.NB 1996. Gene Trophy, Bios Scientific Pub. Oxford.
8. Levine, R. P. Genetics, New York, Holt.
9. Mange, E.J. and Mange, A.P. 1999. Basic Human Genetics, 2nd Ed. Sinauer Assoc. Inc. Mass.
10. Pasternak, S. 2000. Introduction to molecular human genetics, Fritzgarland.
11. Snustad, D.P., Simmons, M.J. 2003. Principles of Genetics 3rd ed. John Wiley & Sons Inc. N.Y.
12. Stun Curt, 1960. Principles of Human Genetics, Sanfrancisco: Freeman Publication.
13. Galton, F. (1892) Fingerprints. Macmillan, London.
14. Das, B. M. 1959. Fingerprints of Hajong. Man in India, 39(1): 20-27.
15. Penrose, L.S. 1969. Dermatoglyphic, Scientific American, Vol.221.No.6 pp.72-87.
16. Sarkar, D. 1971. Dermatoglyphics study of some caste and tribes of Jalpaiguri districts, West Bengal. Anthropologist, 18:49-56.
17. Siervogel, R.M., A.F. Roche, and E.M. Roche 1978. Developmental fields for digital dermatoglyphic traits as revealed by multivariate analysis. Hum. BioI., 50:541-556.
18. Singh, I.P., and M.K. Bhasin 1979. Ethnic and geographic frequency distribution of dermatoglyphic traits in India - A review. In: Dermatoglyphics: 50 Years Later. W. Wertelecki and C.C. Plato, eds. Alan R. Liss, New York, pp. 347-387.
19. Srivastava, R.P. 1963. A study of Finger Prints of the Danguria Tharu of Uttar Pradesh (India). Am. J. Physy. Anthropol., 21 :69-76.

B.Sc. Semester–IV
Discipline Specific Course (DSC)-
Course Title: SOCIO-CULTURAL AND ARCHAEOLOGICAL ANTHROPOLOGY
Course Code: C 4 ANT 1 T 1

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-7	Theory	04	04	60hrs.	3hrs.	20	80	100

Course Outcomes (COs): At the end of the course students will be able to:

- CO1: Get insight into fundamental social Institutions ubiquitous to all human societies
- CO2: Understand chronological development in Economic, Political and Religious Institutions
- CO3: Understand Prehistoric geo-climatic conditions and factors influencing cultural development
- CO4: Demonstrate an understanding of anthropological perspectives on archaeological evidences and reconstruct the human past focusing on the geological and cultural importance of pre-history
- CO5: Reconstruct cultural past chronologically on basis of archaeological remains.
- CO6: Student should understand the landscape of prehistoric sites archaeological sites and their relevance in studying prehistoric Indian societies.
- CO7: Gain insight into chronological changes in Socio-Cultural aspects in synchrony with geo-climatic events.

Unit	Title: Socio-Cultural and Archaeological Anthropology	60 hrs/sem
Unit I	Introduction To Socio-Cultural Anthropology: - Meaning, nature and scope of Socio-Cultural Anthropology, and its relationship with other disciplines (Sociology, History, Economics, Psychology and Political Science). - Concept of Culture, Ethnocentrism and Cultural Relativism. - Social Institutions: Marriage and Family (types and functions), and Kinship System: (Rules, Category, Functions, Terminology: Classificatory and Descriptive Kinship, Clan, Lineage and Principles of Descent)	15 hrs
Unit II	Branches of Socio-Cultural Anthropology: - Economic Anthropology: Characteristics of Primitive Economy, Stages of Economy: Food gathering and Hunting, Pastoralism, Horticulture, shifting cultivation and Settled agriculture. - Political Anthropology: Band, Tribe, Chiefdom and Statehood. - Religious Anthropology: Animism, Animatism, Totemism, Magic and Science.	15 hrs
Unit III	Introduction to Archaeological Anthropology: - Definition, nature and scope of Archeological Anthropology, Concept of History, Pre-History and Proto-History, methods of studying Archeological Anthropology. - Geo-Chronology and Dating methods. - Pleistocene Epoch.	15 hrs
Unit IV	Cultural Chronology: - Stone Age:- Palaeolithic Age, Mesolithic, and Neolithic Age. - Bronze Age, Iron Age and Civilizations. - Indus Valley Civilization.	15 hrs

Books recommended:

1. Balawinder 1970 Political Anthropology
2. Ember & Ember 1977 Anthropology, Englewood Cliffs. NJ : Prentice Hall.
3. Evans - Pritchard 1954 Social Anthropology, London: Cohen & West
4. Fox R, 1967. Kinship and Marriage, Cambridge University Press.
5. Fried Morton H. 1967. The Evolution of Political Society: An Essay in Political Anthropology,
6. Random House Studies in Anthropology, AS 7. New York: Random House
7. G. Dalton 1971. Traditional Tribal and Peasant Economies
8. Herskovits M.J. 1960. Man and His Works, New York: Knopf Pub.
9. Jagadeesh V. 2005. 'Manavashastra', CVG Publications, Bangalore.
10. Jagadeesh V. 2013. 'Political Awareness'-A Comparative Study among Lamani Tribe, Power Publications, Kolkata.
11. Madan & Majumdar 1956 Introduction to Social Anthropology, Bombay: Asia Publishers.
12. Agarwal D P. 1980. The Archaeology of India, London: Curzon Press
13. Bhattacharya D.K. 1972 Prehistoric Archaeology Delhi :Hindustan Pubin., Corporation,,
14. Bhattacharya D.K. 1978. Emergence of Culture in Europe, Delhi, B.R. Publication.
15. Bhattacharya D.K. 1979. Old Stone Age Tools and Techniques. Calcutta: K.P. Bagchi Company.
16. Braidwood B.J 1967 Prehistoric Man, Glenview (1 1.1), Scott Foresmen.
17. Chattopadhyaya I. 2019. Archaeological Anthropology. B. R. Publications, New Delhi
18. Childe G.V. 1950 What Happened in History, Harmondsworth, Penguin Publications
19. Childe G.V. 1956 Man Makes Himself. London: Watts.
20. Ember and Ember 1977. Anthropology, Englewood cliffs, NJ: Prentice hall.
21. Hammand P.B. 1964 Physical Anthropology & Archaeology, New York: Mac Millen
22. Jagadeesh V. 2005 'Manavashastra', CVG Publications, Bangalore.
23. Rami Reddy R. 1991 Neolithic and Post-Neolithic Cultures, South Asian Books
24. Renfrew Colin and Bahn Paul, 2012. Archaeology: Theories, Methods and Practice. New York: Thames & Hudson, 6th Edition
25. Rami Reddy R. 1987 Elements of Prehistory, New Delhi: Mittal Publishers
26. Sankalia H.D. 1964 Stone Age Tools & Techniques, Pune : Deccan college : PG & R Institute

FormativeAssessmentforTheory	
AssessmentOccasion/type	Marks
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
Total	20Marks
FormativeAssessmentasperguidelines.	

B.Sc. Semester–IV

Discipline Specific Course (DSC)

Course Title: TOOLS IN SOCIO-CULTURAL ANTHROPOLOGY AND PRE-HISTORIC ARCHAEOLOGY.

Course Code: C 4 ANT 1 T 1

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-8	Practical	02	04	56hrs.	3hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

CO1: Summarize how social anthropologists transform their knowledge in contemporary ethnographic field-work techniques and perspectives.

CO2: Prepare Questionnaire and schedule regarding different Socio-cultural Institutions

CO3: Collect Anthropological data from subjects.

CO4: understand different prehistoric techniques of tool preparation.

CO5: Student will be able to identify the tools/artifacts, appreciate the tool typology and classify it appropriately.

CO6: Gain insight into different functions of prehistoric tools.

List of the Expedients, each will have 4rs / Week (Minimum 12 Experiments)

Experiment 1 : Practical's in Socio-Cultural Anthropology
• Schedule Preparation: Marriage
• Questionnaire Preparation: Joint Family
• Questionnaire Preparation: Nuclear Family
• Questionnaire/Schedule Preparation: Economic activities
• Questionnaire/ Schedule Preparation: Political activities
• Questionnaire/Schedule Preparation: Religious rituals and belief system
Unit 2: Practicals in Pre-historic Archaeology
• Typology and Techniques of Tool Preparation of Prehistoric tools.
• Core Tools
• Flake Tools
• Blade Tools
• Mesolithic Tools
• Neolithic Tools

Practical Batches: 15 students per batch

Pedagogy: Pedagogy includes lecture, active learning, discussion, demonstration, determination, and classification and observation methods.

Summative Assessment Marks for Practical	
1. Experiments	25
2. Viva-voce	05
3. Practical Journal	10
Total	40 Marks

Books recommended:

1. Evans - Pritchard 1954 Social Anthropology, London: Cohen & West
2. Madan & Majumdar 1956 Introduction to Social Anthropology, Bombay: Asia Publishers.
3. Bhattacharya D.K. 1972 Prehistoric Archaeology Delhi :Hindustan Pubin., Corporation,,
4. Bhattacharya D.K. 1978. Emergence of Culture in Europe, Delhi, B.R. Publication.
5. Bhattacharya D.K. 1979. Old Stone Age Tools and Techniques. Calcutta: K.P. Bagchi Company.
6. Sankalia H.D. 1964 Stone Age Tools & Techniques, Pune : Deccan college : PG & R Institute

B.Sc. Semester–V
Discipline Specific Course (DSC)-
Student shall select DSC 9B & 10 B or DSC 9A & 10 A for 06 credits only
Course Title: ANTHROPOLOGICAL RESEARCH TECHNIQUES AND METHODS
Course Code: C 5 ANT 2 T 1

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-9A	Theory	04	04	60hrs.	3hrs.	20	80	100

Course Outcomes (COs): At the end of the course students will be able to:

CO1: Understand basic concepts in Anthropological research.

CO2: Correlate and understand the key concepts of scientific research.

CO3: Demonstrate a strong benchmark for understanding the scope of contemporary anthropological Techniques and Methods.

CO4: Equip student with qualitative and quantitative methods of inquiry and the skill for triangulation using methods.

CO5: To familiarize students with new research tools, techniques and methods.

CO6: Self-directed Learning-Demonstrate ability to identify appropriate resources required for a fieldwork/project and manages a project through to completion.

CO7: Students will be able to work in different research organisation.

Unit	Title: Anthropological Research Techniques and Methods	60 hrs/sem
Unit I	Fieldwork Tradition in Anthropology - History and Development: Arm-Chair Anthropologists, Pioneering anthropologists- Franz Boas, Malinowski, Ruth Benedict and Margaret Mead. - Understanding cultures and societies: cultural relativism, ethnocentrism, Ethnology and Ethnography, Etic and Emic perspectives, comparative and historical methods. - Techniques of Rapport Establishment: Key informants, maintenance of field diary. Fieldwork Tradition in the Indian context.	15 hrs
Unit II	Research Methodology - Definition and Explanation of Research, its objectives, and types. - Research Process: Finding of the research problem, Review of literature, and Formulation of hypothesis - Research Design: Major steps involved in Research Design.	15 hrs
Unit III	Tools and Techniques of Data Collection - Observation - Direct, Indirect, Participant, Non-participant, Controlled and Uncontrolled. - Questionnaire and Schedules- types. Interview-Structured and unstructured, Key informant Interview. Focus Group Discussion (FGD) and Case Study. - Genealogy and Pedigree- Technique and application. Survey Method vs Ethnographic method.	15 hrs

UnitIV	Data analysis, Interpretation, and Anthropological Report Writing • Types of Data (Primary and Secondary Data), Sampling and its types (Random and Non-random) • Importance of application of Statistics in Data Analysis: Graphical Chapter Representation of Data. Use of different Software's for data analysis. • Structure of Fieldwork Report: Title, Table of contents, List of Tables and Photographs and Acknowledgment, Chapterisation, Review and index, glossary, bibliography /references cited and Ethics in anthropological fieldwork and report writing,	15hrs
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Recommended books:

1. Beals & Hoijer 1954. An Introduction to Anthropology; New York: Macmillan.
2. Bernard H. R. 1998. Research Methods in Cultural Anthropology, New Delhi: Sage Publications.
3. Bernard H. R. & Gravlee C. C. 2014. Handbook of Methods in Cultural Anthropology.
4. Blalock and Blalock, 1958, Methodology in Social Research, New York, Mc. Graw, Hill.
5. Chamber.R, Participatory Rural Appraisal- Analysis and Experience
6. Danda, A. Research Methodology in Anthropology
7. Ellen.E.F.(Ed) Ethnographic Research
8. Ember & Ember 1977. Anthropology, Englewood Cliffs. N J: Prentice Hall.
9. Goode, W.J. and Hatt, P.K. 1952. Methods in Social Research, Tokyo Mc Grew, Hill.
10. Creswell J.W and Creswell J.D 2018. Research Design: Qualitative, Quantitative & Mixed Methods Approaches, Sage Publications
11. Kluckhohn. C, Use of Personal Documents in Anthropology
12. Madriga Lorena, Statistics for Anthropology
13. O'reilly K. 2012. 'Practical Issues in Interviewing' Ethnographic Methods. Abingdon: Rutledge
14. Pelto, P.S. and Pelto G.H. 1978 Anthropological Research, Cambridge, CUP.
15. Russel, B.H. 1940. Research Methods in Cultural Anthropology, Altamira Press, London.
16. Sarana G. 1975. The Methodology of Anthropological Comparisons, Tucson, Univ. of Arizona
17. Seliitz C, Jahoda S.C. Drutsch, M, Cook, S.W. 1976. Research Methods in Social Relations,
18. Somesh Kumar, 2002. Methods for community Participation: A Complete Guide for Practitioners: Sage India.
19. Young, P.V. 1956. Scientific Social surveys and Research, New York Prentice-Hall.

Formative Assessment for Theory	
Assessment Occasion/type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.Sc. Semester– V
Discipline Specific Course(DSC)
Course Title: RESEARCH METHODOLOGY
Course Code:C 5 ANT 2 P 1

Type of Course	Theory /Practical	Credits	Instruction hours per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-10A	Practical	02	04	56hrs.	3hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

- CO1: To demonstrate theoretical and practical knowledge of field experience in various research, surveys, ethnography etc.
- CO2: Application of first-hand empirical dimensions of field-work, ethnographic research and generate systematic and scientific data through various tools and techniques of data collection.
- CO3: Demonstrate strong writing skills- Field-Work, Project-Report, Tour Report, Dissertation, and ethnography.
- CO4: Analytical and Critical Skills, Construction of questionnaire and Schedule, Oral communication and presentation skills, time-management, discussion, and group work skills, Statistical and computing techniques, organizing & planning, problem solving and the ability to construct an argument.

List of the Experiments, each will have 4rs / Week (Minimum 12 **Experiments**)

Experiment 1: Data Collection
• Literature Review Practice: Searching academic databases for relevant literature.
• Critically evaluating research articles, Summarizing, and synthesizing literature.
• Data Collection Methods: Primary and secondary data.
• Case Study Interview.
• Field visit Observation.
• Developing Online Surveys.
Experiment 2: Data Analysis
• Research Software: Introducing statistical software MS Excel and SPSS and data entry.
• Data Analysis Techniques: Preparing Bar graph, Line Graph, Pie Chart and Histogram.
• Descriptive statistics: Mean, Median, Mode and Standard Deviation.
• Qualitative data analysis: Content and Thematic.
• Presentation Skills: Designing presentation slides, effective research presentation skills and handling questions from an audience.
• Visit to Research Center and report writing.

Instructions if any:**Practical Batches:** 15 students per batch

Pedagogy: Pedagogy includes lecture, active learning, discussion, demonstration, determination, and classification and observation methods.

Summative Assessment Marks for Practical	
1. Experiments	25
2. Viva-voce	05
3. Practical Journal	10
Total	40 Marks

Books recommended:

1. Bernard H. R. 1998. Research Methods in Cultural Anthropology, New Delhi: Sage Publications.
2. Bernard H. R. & Gravlee C. C. 2014. Handbook of Methods in Cultural Anthropology.
3. Blalock and Blalock, 1958, Methodology in Social Research, New York, Mc. Graw, Hill.
4. Chamber.R, Participatory Rural Appraisal- Analysis and Experience
5. Danda, A. Research Methodology in Anthropology
6. Ellen.E.F.(Ed) Ethnographic Research
7. Creswell J.W and Creswell J.D 2018. Research Design: Qualitative, Quantitative & Mixed Methods Approaches, Sage Publications
8. Kluckhohn. C, Use of Personal Documents in Anthropology
9. Madriga Lorena, Statistics for Anthropology
10. O'reilly K. 2012. 'Practical Issues in Interviewing' Ethnographic Methods. Abingdon: Rutledge
11. Pelto, P.S. and Pelto G.H. 1978 Anthropological Research, Cambridge, CUP.
12. Russel, B.H. 1940. Research Methods in Cultural Anthropology, Altamira Press, London.
13. Sarana G. 1975. The Methodology of Anthropological Comparisons, Tucson, Univ. of Arizona
14. Seliitz C, Jahoda S.C. Drutsch, M, Cook, S.W. 1976. Research Methods in Social Relations,
15. Young, P.V. 1956. Scientific Social surveys and Research, New York Prentice-Hall.
16. Somesh Kumar, 2002. Methods for community Participation: A Complete Guide for Practitioners: Sage India.

B.Sc. Semester–V
Discipline Specific Course (DSC)-
Student shall select DSC 9B & 10 B or DSC 9A & 10 A for 06 credits only
Course Title: ANTHROPOLOGY OF INDIAN SOCIETY
Course Code: C 5 ANT 2 T2

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-9B	Theory	04	04	60hrs.	3hrs.	20	80	100

Course Outcomes (COs): At the end of the course students will be able to:

- CO 1: Understand the history of Indian Social system from Anthropological perspective.
CO 2: Gain insight into modern trends in Indian Society.
CO 3: To correlate and understand the key concepts of society and social system.
CO 4: Understand the basis of social stratification
CO 5: Understand religious aspects of society.

Unit	Title: Anthropology of Indian Society	60 hrs/ sem
Unit I	Indian Society - History of Indian Social System: Anthropological outlook - India Society: traditional and contemporary - Effects of Globalization on Indian Society	15 hrs
Unit II	Indian Social System - Hindu Social System: Varna System, Ashramas and Purusharthas - Gender Hierarchy: Social Construction Theory, System Justification Theory. - Marginalized Groups: Problems and Perspectives	15 hrs
Unit III	Indian Social Stratification - Caste: Meaning, Characteristics and functions, Social Change in India, Caste System in Modern Society, Scheduled Tribes and OBCs - Religion: Buddhism, Jainism, Islam and Christianity. - Problems and Welfare Measures: Constitutional Safeguards for SCs and STs	15 hrs
Unit IV	Approaches To The Study of Indian Culture - Dominant Caste, Sanskritisation and Westernization - Folk society, Peasant Society and Folk Urban Continuum - Little and Great Tradition, Sacred Complex and Nature-Man-Spirit Complex.	15 hrs

Recommended books:

1. Bernard C S. 2000. India: The Social Anthropology of Civilization. Delhi: Oxford University Press.
2. Dube S C. 1992. Indian Society. National Book Trust, India: New Delhi.
3. Guha B S. 1931. The Racial attributes of people of India. In: Census of India, 1931, vol I, Part III (BPO, Simla)
4. Gupta D. 1997. Social Stratification. Delhi: Oxford University Press.
5. Karve I. 1961. Hindu Society: An Interpretation. Poona : Deccan College
6. Lopez D S. 1995. Religions of India in Practice. Princeton University Press
7. Majumdar D N. 1901. Races and Culture of India. Asia Publishing House, Bombay
8. Malhotra K.C. 1978. Morphological Composition of people of India. J. Human Evolution.
9. Nadeem Hasnain. 2019. Indian Anthropology, Palaka Prakashan, New Delhi.
10. Vidyarthi, L.P and Rai B. K 1985. Tribal Culture of India. New Delhi, Concept Publishing Company
11. Sharma R.N. 2015. Social and Cultural Anthropology. Surjeet Publications. New Delhi, India.
12. Sharma R.N. 1012. Society In India Surjeet Publications. New Delhi, India.
13. Prabhu.P.2016. Hindu Social Organization. Popular Prakashan, Mumbai.

FormativeAssessmentforTheory	
AssessmentOccasion/type	Marks
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
Total	20Marks
<i>FormativeAssessmentasperguidelines.</i>	

B.Sc. Semester– V
Discipline Specific Course (DSC)
Course Title: PRACTICAL IN ANTHROPOLOGY OF INDIAN SOCIETY
Course Code: C 5 ANT 2 P 2

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
DSC-10B	Practical	02	04	56hrs.	3hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

Cos 1: Prepare Schedule and questionnaire.

Cos 2: Understand the structure of Indian village through field visit by doing village and segment mapping.

Cos 3: Learn the process of data collection and analysis of the data.

Cos 4: Able to write report on given topic.

Experiment 1: Schedule, Questionnaire, Field visit and Pilot study:
• Framing schedule on any one social issues of rural area.
• Framing schedule on family, marriage, and kinship.
• Preparation of questionnaire on any one social issue of urban areas. Preparation of questionnaire on economic, political and religion aspects.
• Preparation of questionnaire on economic, political and religion aspects.
• Villagemapping.
• Segment mapping.
Experiment 2: Data Collection Interpretation and Report Writing
• Observation and recording the data on given topics/ events.
• Collection of the data on given topic.
• Data Entry and Data Analysis.
• Interpretation of the data.
• Paper presentation.
• Report writing.

Instructions if any:

Practical Batches: 15 students per batch

Pedagogy: Pedagogy includes lecture, active learning, discussion, demonstration, determination, and classification and observation methods.

Summative Assessment Marks for Practical	
1. Experiments	25
2. Viva-voce	05
3. Practical Journal	10
Total	40 Marks

Books recommended:

1. Bernard C S. 2000. India: The Social Anthropology of Civilization. Delhi: Oxford University Press.
2. Dube S C. 1992. Indian Society. National Book Trust, India: New Delhi.
4. Gupta D. 1997. Social Stratification. Delhi: Oxford University Press.
5. Karve I. 1961. Hindu Society: An Interpretation. Poona : Deccan College
6. Lopez D S. 1995. Religions of India in Practice. Princeton University Press
7. Majumdar D N. 1901. Races and Culture of India. Asia Publishing House, Bombay
9. Nadeem Hasnain. 2019. Indian Anthropology, Palaka Prakashan, New Delhi.
10. Vidyarthi, L.P and Rai B. K 1985. Tribal Culture of India. New Delhi, Concept Publishing Company

B.Sc. Semester–VI
Discipline Specific Course (DSC)-
Student shall select DSC 11B & 12 B or DSC 11A & 12A for 06 credits only
Course Title: TRIBES OF INDIA
Course Code: C 6 ANT 2 P 1

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-11A	Theory	04	04	60hrs.	3hrs.	20	80	100

Course Outcomes (COs): At the end of the course, students will be able to:

- O1: Introduce and familiarize the students with Tribes in India and their geographical, racial and linguistic background of tribal people in India.
- CO2: Offers an in-depth exploration of indigenous or tribal communities in India and their demographic profiles.
- CO3: Learn distinction between Tribe and Caste and Tribe-Caste Continuum.
- CO4: The unique identities of different tribal groups, their relationship with the environment, their religious and spiritual beliefs.
- CO5: Familiarize about social-cultural, economic, educational, health and nutritional problems of Tribal People.
- CO6: Understanding the Tribal Welfare: Policies, Constitutional Safeguards and Government measures, Role of Anthropology in Tribal Development.
- CO7: Explores the contributions made by anthropologists in tribal studies.
- CO8: Students may learn about the significance of rich tribal cultural heritage and strategies for preserving indigenous knowledge and traditions.

Unit	Title: TRIBES OF INDIA	60 hrs/ sem
Unit-I	Introduction to Tribes in India - Meaning, Definitions, Characteristic features of Tribe, Categories of Tribes. - Demographic Profile, Geographical, Racial and Linguistic background of Indian tribes. - Distinction between Tribe and Caste and Tribe-Caste Continuum.	15 hrs
Unit-II	Tribal Social Institutions - Lineage, Clan, Phratry, Moiety. - Religious beliefs: Animism, Totemism, Taboo, Magic, Religion and Science. - Tribal Youth Dormitory and Tribal Councils.	15 hrs
Unit-III	Major Problems of the Tribal People and Tribal Development in India - Poverty, Land Alienation, Indebtedness, Unemployment and Migration, Inequality, Bounded Labour, Exploitation. Educational, Health and Nutritional Problems. - Approaches to Tribal Development, Development-Induced Displacement, Rehabilitation and Resettlement. Role of Anthropology in Tribal Development. - Tribal Welfare Policies: National Policy on Tribal Development, Constitutional Safeguards and Government measures.	15 hrs
Unit-IV	Luminaries of Indian Anthropologists and Notes on Few Tribes - Verrier Elwin, D.N. Majumdar, F.G Bailey, L.P. Vidyarthi. - Notes on Indian Tribes: Todas, Khasis, Gonds, Sentinels. - Notes on Karnataka Tribes: Jenu Kuruba, Koraga, Soliga.	15hrs

Books recommended:

1. Bailey, F.G 1960. Tribe, Caste and Nation, London: Oxford University Press
2. Ghurye G.S 1957. Caste & Class in India, Bombay : Popular
3. Ghurye G.S 1969. Caste & Race in India, Bombay : popular
4. Hutton J.H. 1969. Caste in India, London: Oxford Univ., Press.
5. Majumdar & Madan 1956. An Introduction to social Anthropology, Bombay: Asia Publishers,
6. Majumdar D.N 1958. Races & Cultures of India, Bombay: Asia.
7. Nadeem Hasnain 1991. Tribal India, New Delhi: Palaka Prakashan
8. Nathan D. 1998. Tribe-Caste Question, Simla: IAS
9. Patnaik S. M 1996. Displacement, Rehabilitation and Social Change, Delhi : Inter India Publication,
10. Prabhu Pandarinath 1958. Hindu social Organisation, Bombay : Popular Publishers
11. Rana B. N. Tribal Development and Planning Vol.I , Jaipur: Shree Nivas Publications
12. Risley H. H 1891. Tribes and Castes of Bengal Vol. 1, Calcutta Bengal Secretariat Press.
13. Srinivas M.N 1980. Caste in Modern India, Bombay: Orient Longman
14. Devath S. 2014. Tribal Development Through Five Year Plans in India- An Overview. In The Dawn Journal, Vol.3, No.1 January-June 2014. Pp-794-816.
15. V.Elwin 1944. The Aborigines, London: Oxford Univ, Press.
16. Vidyarthi L.P 1980. Applied Anthropology in India, New Delhi: National Publishers.
17. Vidyarthi V. 1981. Tribal Development and its Administration. Concept Publishing Company, New Delhi.
18. Vidyarthi, L.P and Rai B. K 1985. Tribal Culture of India. New Delhi: Concept Publishing Company.
19. Priyadarshani P, 2015. Tribal Development: Perspective, Programmes and Critique. Int. Journal of Research, Vol.2, Issue V, November, Pp-34-47.
20. Mohanty A. 2011. Approaches to Tribal Development in India- An Overview, 3rd Prof. Ajit K. Mitra memorial Lecture, Koraput: Council of Analytical Tribal Studies. Concept Publishing Company.

FormativeAssessmentforTheory	
AssessmentOccasion/Type	Marks
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
Total	20Marks
FormativeAssessmentasper guidelines	

B.Sc. Semester– VI
Discipline Specific Course(DSC)
Course Title: FIELDWORK OR PROJECT WORK
Course Code:C 6 ANT 2 T 2

Type of Course	Theory /Practical	Credits	Instruction hours per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-12A	Practical	02	04	56hrs.	3hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

CO1: To familiarize the student with firsthand experience of the fieldwork.

CO2: To provide students with a comprehensive understanding of the rich diverse aspects of societies and their cultural interactions with the wider world.

CO3: The student will have the basic knowledge about the research in the anthropology.

List of the Expedients, each will have 4rs / Week (Minimum 12 practicals)

Fieldwork/Project-work in a tribal, rural or urban community or a social group under supervision of teachers continuously for not less than 15 days between the vacation of 5th and 6th semesters. Students must write dissertation under the guidance of a course teacher during their 6th semester based on the fieldwork data.

Instructions if any:

- 1 Pedagogy includes In-depth fieldwork/project-work, active learning, classroom discussion, data analysis, Presentations on fieldwork and submission of Field Report.

Serial	Scheme	Marks
1	Field-work/Project-work Report	20
2	Presentation	10
3	Viva	10
	Total	40 Marks

RECOMMENDED BOOKS:

1. Beals & Hoijer 1954. An Introduction to Anthropology; New York: Macmillan.
2. Bernard H. R. 1998. Research Methods in Cultural Anthropology, New Delhi: Sage Publications.
3. Bernard H. R. & Gravlee C. C. 2014. Handbook of Methods in Cultural Anthropology,
4. Blalock and Blalock, 1958, Methodology in Social Research, New York, Mc. Graw, Hill.
5. Ellen.E.F.(Ed) Ethnographic Research
6. Pelto, P.S. and Pelto G.H. 1978 Anthropological Research, Cambridge, CUP.
7. Beals & Hoijer 1954. An Introduction to Anthropology; New York: Macmillan.
8. Kluckhohn. C, Use of Personal Documents in Anthropology
9. O'reilly K. 2012. 'Practical Issues in Interviewing' Ethnographic Methods. Abingdon: Rutledge
10. Pelto, P.S. and Pelto G.H. 1978 Anthropological Research, Cambridge, CUP.

11. Royal Anthropological Institute of Great Britain and Ireland: Notes and Queries on Anthropology, London, 1874 Reprint 1954. Rotulledge and Kegan Paul Ltd.

B.Sc. Semester– VI

Discipline Specific Course (DSC)-

Student shall select DSC 11B & 12 B or DSC 11A & 12A for 06 credits only

Course Title: - NUTRITIONAL ANTHROPOLOGY

Course Code:- C 6 ANT 2 T 2

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-11B	Theory	04	04	60hrs.	3hrs.	20	80	100

Course Outcomes (COs):At the end of the course students will be able to:

C01: Understand meaning and scope of Nutritional Anthropology.

C02: Gain insight into relation between Nutrition and culture.

C03: Learn the Human Growth and Development patterns and factors affecting it.

C04: Understand Nutritional requirements and Nutritional Deficiency Disorders.

C05: Learn about relation between Nutrition and Diseases.

Unit	Title: Nutritional Anthropology	60 hrs/sem
Unit I	Introduction - Meaning, Definition and Scope of Nutritional Anthropology. - Methods of Study: Ethnographic research, Archaeological and Paleontological evidences, and Stable Isotope study. - Nutrition and Culture: Cooking practices, Food Taboos and Food Preferences	15 hrs
Unit II	Human Growth and Development - Human Growth and Variation: Stages of Human Growth: Prenatal, Infancy, Childhood, Adolescence, Maturity, Senescence. - Factors Affecting Human Growth: Genetic, Environmental, Harmonal, Nutritional, Socio-economic, Secular trends, Gerontology. - Methods of Studying human growth and development: Longitudinal, Cross-sectional, Mixed Longitudinal and Growth Curves.	15 hrs
Unit III	Nutritional Requirements - Human Nutrition: Assessment Components: Dietary needs: Vitamins, Minerals, calories, amino acids, fatty acids, Proteins, Carbohydrates. - Under-nutrition, Obesity, Malnutrition. - Nutritional deficiency disorders.	15 hrs
Unit IV	Nutrition and Human diseases - Human Diseases and Defense Mechanism. - Communicable and non-communicable diseases. - Allergies, Cancer, and Human Defense Mechanism	15hrs

Recommended books:

1. Das B.M. 1997 Outlines of Physical Anthropology, Allahabad: Kitab Mahal.
2. Firth Raymond 1953. Human Types, London; Melson.
3. Sarkar, R.M. Fundamentals of Physical Anthropology.
4. Shukla.B.R.K and Sudha Rastogi, Physical Anthropology and Human Genetics, 6th Ed, Palaka Prakashan, Delhi.
5. Sudha Rastogi and B.R.K Shukla, 2021, Laboratory manual of Physical Anthropology, 2nd Ed, A.P.A.C, New Delhi.

FormativeAssessmentforTheory	
AssessmentOccasion/Type	Marks
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
Total	20Marks
FormativeAssessmentasper guidelines	

B.Sc. Semester–VI
Discipline Specific Course(DSC)
Course Title: PRACTICAL INNUTRITIONAL ANTHROPOLOGY
Course Code: C 6 ANT 2 P 2

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/ Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-12B	Practical	02	04	56hrs.	3hrs.	10	40	50

Course Outcomes (COs):At the end of the course, students will be able to:

CO1: Prepare questionnaire and Schedule for Nutritional assessment in children.

CO2: Prepare diet chart of the subjects.

CO3: The students will learn to identify the risk groups facing malnutrition and nutritional deficiency disorders in children.

CO4: The course will help in implementing ABCD strategy: Anthropometric, Biochemical, Clinical and Dietary assessment

CO5: The course will help in understanding socio-cultural, economic and other factors affecting nutrition.

CO6: The course will help the students in assessment of nutritional status in children.

List of the Practicals, each will have 4rs / Week (Minimum 12 Experiments)

Experiment 1: Nutritional Assessment Criteria
• Identification of Risk groups in Malnutrition.
• Preparation of Questionnaire and Schedule-I
• Preparation of Diet Chart.
• Anthropometric Measurements:
a. height
b. weight
c. Head circumference
d. Mid-upper-arm circumference, Skin-fold thickness.
• Determination of BMI
• Clinical signs- Skin, Nails and Hair
• Biochemical Assessment: Hemoglobin
• Dietary Assessment
Experiment 2: Nutritional Assessment of Subjects
• Nutritional Assessment of Subject-I
• Nutritional Assessment of Subject-II
• Nutritional Assessment of Subject-III
• Nutritional Assessment of Subject-IV

Summative Assessment Marks for Practical	
1. Experiments	25
2. Viva-voce	05
3. Practical Journal	10
Total	40 Marks

Recommended books:

1. Das B.M. 1997 Outlines of Physical Anthropology, Allahabad: Kitab Mahal.
2. Firth Raymond 1953. Human Types, London; Melson.
3. Sarkar, R.M. Fundamentals of Physical Anthropology.
4. Shukla.B.R.K and Sudha Rastogi, Physical Anthropology and Human Genetics, 6th Ed, Palaka Prakashan, Delhi.
5. Sudha Rastogi and B.R.K Shukla, 2021, Laboratory manual of Physical Anthropology, 2nd Ed, A.P.A.C, New Delhi.

B.Sc. Semester– V
Elective Course (EC)
It is for other combination students

Course Title: FOUNDATIONS OF ANTHROPOLOGY
Course Code: C 5 ANT 5 T 1

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
EC-1	Theory	03	04	45hrs.	3hrs.	20	80	100

Course Outcomes (COs): At the end of the course, students will be able to:

CO1: Understand the meaning, nature and scope of anthropology.

CO2: Explore the major branches of anthropology including social-cultural anthropology, biological, archaeological and linguistic anthropology.

CO3: Learn the sub-fields of anthropology- Medical and Forensic anthropology.

CO4: Understand eco-political and religious aspects of society.

CO5: Learn the key concepts of Indian social system, caste, class and gender.

	Title: FOUNDATIONS OF ANTHROPOLOGY	45 hrs/sem
Unit-I	General Anthropology: • Meaning, nature, and scope of anthropology. • Major Branches of anthropology: (1) Socio-Cultural Anthropology (2) Biological Anthropology; (3) Archaeological Anthropology; (4) Linguistic Anthropology (5) Applied Anthropology. • Distinctive features and relevance of anthropology	15 hrs
Unit-II	Applied Anthropology: • Ecological Anthropology and Medical Anthropology • Psychological Anthropology and Urban Anthropology • Human Genetics and Forensic Anthropology	15 hrs
Unit-III	Basic Concepts of Anthropology: • Society and Culture. • Community, Group, Association, Institution, Status and Role, Social Structure, Social Organization and Norms and Values. • Fieldwork Tradition in Anthropology, Ethnology and Ethnography.	15 hrs

Books recommended:

- 1 Barnard, A & Spencer J 1996. Encyclopedia of Social and Cultural Anthropology, London: Rutledge.
- 2 Beals & Hoijer 1954. An introduction to Anthropology; New York: Macmillan
- 3 Bohannon Paul 1963. Social Anthropology, New York. Holt.
- 4 Byers, S. N. (2016). Introduction to Forensic Anthropology. USA: Taylor & Francis.
- de Boer, H. H., Blau, S., Delabarde, T., & Hackman, L. (2018). "The Role of Forensic Anthropology in Disaster Victim Identification (DVI): Recent Developments and Future Prospects." Forensic Sciences Research, 1-13.
- 5 Ember & Ember 1977. Anthropology, Englewood Cliffs. NJ : Prentice Hall.
- 6 Evans - Pritchard 1954. Social Anthropology, London: Cohen & West.
- 7 Fox R, 1967. Kinship and Marriage, Cambridge University Press.
- 8 Herskovits M.J. 1960. Man and His Works, New York: Knopf Pub.
- 9 Jagadeesh V. 2005. 'Manavashastra', CVG Publications, Bangalore.
- 10 Keesing P.M. 1958. Cultural Anthropology, New York: Rinehart.
- 11 Kluckhohn Clyde 1950. Mirror for Man, London; Harrap.
- 12 Kroeber A.L. 1948. Anthropology, New York: Harcourt.
- 13 Linton R. 1958. The Cultural Background of Personality, London: Rutledge.
- 14 Madan & Majumdar 1956. Introduction to Social Anthropology, Bombay: Asia Publishers.
- 15 Mysore University, Mysore
- 16 Purkait, R. (2006). "Forensic Anthropology in India." Journal of Indian Academy of Forensic Medicine, 28(3): 98-99.
- 17 Tersigni-Tarrant, M. A., & Shirley, N. R. (Eds.). (2012). Forensic Anthropology: An Introduction. CRC Press.

Formative Assessment for Theory	
Assessment Occasion/Type	Marks
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
Total	20Marks
FormativeAssessmentasperguidelines	

B.Sc. Semester– V
Elective Course(EC)-
It is for other combination students

Course Title: SPORTS ANTHROPOLOGY

Course Code: C 5 ANT 5 T 1

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
EC-1	Theory	03	04	45hrs.	3hrs.	20	80	100

Course Outcomes (COs): At the end of the course students will be able to:

CO1: Understand meaning and scope of Sports Anthropology.

CO2: Gain insights into the problems and issues faced by Sportsmen.

CO3: Approaches to deal with problems and issues faced athletes.

Unit	Title: Sports Anthropology	45 hrs/ sem
Unit I	Introduction - Meaning, definition, and scope of Sports Anthropology. - History of Sports, Indigenous and Modern Sports in India. - Sports and Culture.	15 hrs
Unit II	Kinanthropometry - Somatotyping: Body Proportionality in Relation to Sports, Intrinsic and Extrinsic factors influencing body types, Methods of measurements. - Sports and Nutrition. - Applications and Contribution: Skill Assessment (Cognitive, Perceptual and Motor Skills), Talent selection and Direction.	15 hrs
Unit III	Challenges and Solutions - Sports and Globalization. - Challenges: Socio- Economic, Psychological, Physical, and Nutritional. - Physiotherapy, Counselling and Rehabilitation.	15 hrs

Books recommended:

- 1 Beals & Hoiyer 1954. An introduction to Anthropology; New York: Macmillan
- 2 Barnard, A & Spencer J 1996. Encyclopedia of Social and Cultural Anthropology, London: Rutledge.
- 3 . Bohannan Paul 1963. Social Anthropology, New York. Holt.
- 4 Ember & Ember 1977. Anthropology, Englewood Cliffs. NJ : Prentice Hall.
- 5 Evans - Pritchard 1954. Social Anthropology, London: Cohen & West.
- 6 Fox R, 1967. Kinship and Marriage, Cambridge University Press.
- 7 Herskovits M.J. 1960. Man and His Works, New York: Knopf Pub.
- 8 Jagadeesh V. 2005. '*Manavashastra*', CVG Publications, Bangalore.
- 9 Keesing P.M. 1958. Cultural Anthropology, New York: Rinehart.
- 10 Kluckhohn Clyde 1950. Mirror for Man, London; Harrap.
- 11 Kroeber A.L. 1948. Anthropology, New York: Harcourt.
- 12 Linton R. 1936. The Study of Man: An Introduction, Appleton-Century.
Linton R. 1958. The Cultural Background of Personality, London: Rutledge. Madan &
Majumdar 1956. Introduction to Social Anthropology, Bombay: Asia Publishers. Mysore University, Mysore

Formative Assessment for Theory	
Assessment Occasion/Type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
Formative Assessment as per guidelines	

B.Sc. Semester–IV/ V/VI

Skill Enhancement Course(SEC)

Student shall study SEC in any one of the Semesters either in IV or V or VI semester

College shall decide to allot the students

Course Title: FORENSIC ANTHROPOLOGY

Course Code:C 0 ANT 6 P 1

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
SEC	Practical	02	04	56hrs.	3hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

CO1: Understand nature and scope of Forensic Anthropology

CO2: Look for significant signs at scene of investigation.

CO3: Understand collection, preservation, and analysis of skeletal and other remains.

CO4: Application of Osteometric measurements and features in identification of skeletal remains.

CO5: Establish complete identity through fingerprints.

List of the Experiments, each will have 4rs / Week (Minimum 12 Experiments)

Experiment 1: Introduction
Introduction: Meaning, Definition, Nature and Scope of Forensic Anthropology, Historical background, roles and functions of Forensic Anthropologist.
Historical background, roles and functions of Forensic Anthropologist.
Recovery and preservation of Skeletal and other remains: Data gathering (Anthroposcopy, Osteometry, Chemical methods, Histology) Data Analysis. Recovery and preservation of Skeletal and other remains.
Experiment 2: Identification Techniques:
Determination of Age
Determination of Sex
Racial and Morphological differences
Construction of Stature.
Reconstruction of Face.
Documentation and Data analysis.
Scene of Crime Fingerprints: Visible, Plastic and Latent. Expert witness and Testimony.
Personal Identification through fingerprints.
Expert witness and Testimony.

Summative Assessment Marks for Practical	
1. Experiments	25
2. Viva-voce	05
3. Practical Journal	10
Total	40 Marks

Books recommended:

1. Das B.M. 1997 Outlines of Physical Anthropology, Allahabad: Kitab Mahal.
2. Firth Raymond 1953. Human Types, London; Melson.
3. Sudha Rastogi and B.R.K Shukla, 2021, Laboratory manual of Physical Anthropology, 2ndEd,A.P.A.C, New Delhi.
4. Nath Surinder. An Introduction to Forensic Anthropology. Gian Publishing House
5. Adhya. Forensic Anthropology Laboratory Manual, 4th Edition, T and F India.
6. Byers, S. N. (2016). Introduction to Forensic Anthropology, USA: Taylor and Francis.
7. Tersigni-Tarrant, M.A and Shirley, N. R.(Eds).(2012). Forensic Anthropology: An Introduction, CRCPress

B.Sc. programme: 2024-25

GENERAL PATTERN OF **THEORY** QUESTION COURSE FOR DSC/ EC
(80 marks for semester end Examination with 3 hrs duration)

Part-A

1. Question number 1-10 carries 2 marks each. : 20 marks

Part-B

2. Question number 11- 18 carries 05Marks each. Answer any 06 questions : 30 marks

Part-C

3. Question number 19-22 carries 10 Marks each. Answer any 03 questions : 30 marks
(Minimum 1 question from each unit and 10 marks question may have
sub questions for 7+3 or 6+4 or 5+5 if necessary)

Total: 80 Marks

**Note: Proportionate weight age shall be given to each unit based on number of hours
Prescribed**