



**List of Courses Focus on Employability/ Entrepreneurship/  
Skill Development**

**Department :** *Anthropology and Tribal Development*

**Program Name :** *M.A./M.Sc*

**Academic Year:** *2019-20*

**List of Courses Focus on Employability/ Entrepreneurship/  
Skill Development**

Sr. No.	Course Code	Name of the Course
1.	ANT M 103	Basics of Prehistoric Archaeology
2.	ANT M 104	Research Methodology
3.	ANT M 105	Practicals in Somatometry and Somatoscopy
4.	ANT M 106	Practicals in Prehistoric Archaeology & Museology
5.	ANT M 201	Human Genetics
6.	ANT M 202	Bio-Social Problems of Indian Population
7.	ANT M 204	Indian Anthropology & Museology
8.	ANT M 205	Practical in Museology
9.	ANT M 206	Practicals in Human Genetics
10.	ANT M 301	Ecological Anthropology
11.	ANT M 302	Medical Anthropology
12.	ANT M 303A	Human Population Genetics
13.	ANT M 304A	Human Biology, Growth and Nutrition
14.	ANT M 306 A	Practical in Human Biology, Growth and Nutrition
15.	ANT M 304 B	Tribes in India: Their Problems and Development
16.	ANT M 305 B	Practicals in Qualitative Data
17.	ANT M 306 B	Practicals in Quantitative Data
18.	ANT M 401	Applied Anthropology and Tribal Development
19.	ANT M 403A	Population Studies
20.	ANT M 404A	Practicals in Population Studies

***Courses Focus on Employability/Entrepreneurship/Skill Development Criteria -***

***I (1.1.3)***



21.	ANT M 405	Field Work Dissertation
22.	ANT M 405	Field Work Dissertation

*Dilankantho*

विभागाध्यक्ष/H.O.D.

मानव विज्ञान एवं जनजातीय विकास विभाग  
Department of Anthropology & T.D.  
गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.)  
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

Signature & Seal of HoD



**Department of Anthropology and Tribal Development  
Guru Ghasidas Vishwavidyalaya  
Credit Structure for Post-Graduation Anthropology**

**First Semester: 20 credits (15 weeks)**

Sl. No.	Course Code	Name of the Course M.A/ M.Sc.	End Semester Exam	Internal Assessment	Total	Credits
1.	ANT M 101	Basics of Physical Anthropology	60	40	100	4
2.	ANT M 102	Fundamentals of Social Anthropology	60	40	100	4
3.	ANT M 103	Basics of Prehistoric Archaeology	60	40	100	4
4.	ANT M 104	Research Methodology	60	40	100	4
5.	ANT M 105	Practicals in Somatometry and Somatoscopy	60	40	100	2
6.	ANT M 106	Practicals in Prehistoric Archaeology & Museology	60	40	100	2
<b>Total</b>			360	240	600	20

**Second Semester: 20 credits (15 weeks)**

Sl. No.	Course Code	Name of the Course M.A/ M.Sc.	End Semester Exam	Internal Assessment	Total	Credits
1.	ANT M 201	Human Genetics	60	40	100	4
2.	ANT M 202	Bio-Social Problems of Indian Population	60	40	100	4
3.	ANT M 203	Social & Cultural Institutions	60	40	100	4
4.	ANT M 204	Indian Anthropology & Museology	60	40	100	4
5.	ANT M 205	Practical in Museology	60	40	100	2
6.	ANT M 206	Practicals in Human Genetics	60	40	100	2
<b>Total</b>			360	240	600	20



<b>Third Semester: 20 credits (15 weeks)</b>						
Sl. No.	Course Code	Name of the Course M.A/ M.Sc.	End Semester Exam	Internal Assessment	Total	Credits
<b>Core Papers</b>						
1.	ANT M 301	Ecological Anthropology	60	40	100	4
2.	ANT M 302	Medical Anthropology	60	40	100	4
<b>Group A: (Biological Anthropology) Elective Papers</b>						
3.	ANT M303 A	Human Population Genetics	60	40	100	4
4.	ANT M304 A	Human Biology, Growth and Nutrition	60	40	100	4
5.	ANT M305 A	Practical in Biological & Demographic Anthropology	60	40	100	2
6.	ANT M306 A	Practical in Human Biology, Growth and Nutrition	60	40	100	2
<b>Group B: (Social and Cultural Anthropology) Elective Papers</b>						
3.	ANT M303 B	Anthropological Theories on Culture and Society	60	40	100	4
4.	ANT M304 B	Tribes in India: Their Problems and Development	60	40	100	4
5.	ANT M305 B	Practicals in Qualitative Data	60	40	100	2
6.	ANT M306 B	Practicals in Quantitative Data	60	40	100	2
<b>Total</b>			360	240	600	20

**Note:** Based on elective papers the students have to decide the dissertation topic.



<b>Fourth Semester: 20 credits (15 weeks)</b>						
Sl. No.	Course Code	Name of the Course M.A/ M.Sc.	End Semester Exam	Internal Assessment	Total	Credits
<b>Core Papers</b>						
1.	ANT M401	Applied Anthropology and Tribal Development	60	40	100	4
2.	ANT M402	Bio-Cultural Anthropology	60	40	100	4
<b>Group A: (Biological Anthropology) Elective Papers</b>						
3.	ANT M403A	Population Studies	60	40	100	4
4.	ANT M404A	Practicals in Population Studies	60	40	100	2
5.	ANT-M405	Field Work Dissertation	200	-	200	6
<b>Total</b>			440	160	600	20
<b>Group B: (Social and Cultural Anthropology) Elective Papers</b>						
3.	ANT M403B	Tribal Culture and its Transformation	60	40	100	4
4.	ANT M405B	Practical in Qualitative Methods	60	40	100	2
5.	ANT-M405	Field Work Dissertation	200	-	200	6
<b>Total</b>			440	160	600	20

**Note: The students have to present seminar based on any relevant topic taught in the semester.**

**Note: 1. Students have to prepare review of literature and present seminar based on Elective Papers.**

**Soft Skill Papers:**

**ANT: M107: Anthropology of Disaster= 5 Credits**

**ANT: M407: Demographic Anthropology= 5 Credits**



**M.A./M.Sc. I<sup>st</sup> Semester**

**Course Credit: 4**

**Paper Code: ANT-M103**

**Full Marks: 100**

**Basics of Prehistoric Archaeology**

**(60+40)**

**Unit I:** Meaning, Definition and Scope of Prehistoric Archaeology; Ice age: Causes and Consequences.

**Unit II:** Tool Techniques: Block on anvil, Direct percussion, Cylinder hammer and hollow hammer, Step flaking, Clactonian, Levalloisian, Pressure flaking, Fluting, Grinding and Polishing technique(s); Tool typologies: Pebble tool, Hand-axe, Cleaver, Scraper, Points, Disc, Borer, Burin, Microliths.

**Unit III:** Dating Methods: Relative Dating Techniques and Absolute Dating Techniques.

**Unit IV:** Brief outline of European Prehistory: Palaeolithic, Mesolithic and Neolithic Culture(s) of Europe. Cave art and Home art.

**Unit V:** Indian Prehistory: Early Stone age, Middle Stone Age and late Stone Age; Culture of India: Mesolithic and Neolithic; Megalithic and Chalcolithic.

### Suggested Readings

1. Bhattacharya, D.K. (2006). An outline of Indian Prehistory. Delhi: Palaka Prakashan.
2. Bhattacharya, D.K. (1977). Palaeolithic Europe. Netherland: Humanities Press.
3. Sankalia, H.D. (1974). Prehistory and Protohistory of India and Pakistan. Pune: Deccan College.
4. Coles, J.M. and E.S. Higgs. (1969). The Archaeology of Early Man. London: Faber and Faber.
5. Burkitt, M. (1963). The Old Stone Age: A study of Palaeolithic Times. London: Bowes and Bowes.
6. Renfrew, C. and P. Bahn. (2001). Archaeology: Theories methods and Practices, London: Thames and Hudson.
7. Fagan B. M. (2004). People of the Earth: An Introduction to World Prehistory. New Jersey: Pearson Education.
8. Oakley, K.P. (1966). Frameworks for dating Fossil man. London: Weidenfeld and Nicolson.
9. Renfrew, C. (ed.). (1973). The Explanation of culture change: Models in prehistory. London. Duckworth.





10. Lee, R.B and I. Devore (Eds.) (1977). Man the Hunter. Chicago: Aldine Publishing Company.
11. Hole, H. and R.F. Heizer. (1969). An Introduction to Prehistoric Archaeology. New York: Hold, Rinehart and Winston, INC.
12. Sankalia, H. D. (1977). Prehistory of India. Delhi: Munshiram Manoharlal Publishers Pvt. Ltd.
13. Possehl, G. L. (2002). The Indus Civilization: Contemporary Perspectives. New Delhi: Vistaar publication.
14. Bailey, G. and P. Spikins (eds.) (2008). Mesolithic Europe. Cambridge-. Cambridge University Press.
15. Allchin, B. and R.Allchin. (1982). The Rise of Civilization in India and Pakistan. Cambridge: Cambridge University Press.
16. Kevin Greene, Tom Moore. (2010). Archaeology: An Introduction. Fifth Edition. Routledge, Taylor & Francis Group, London and New York.
17. Tiwari S.K., Awasthi S.P. (2009). Early Man of The Indian Rock Shelter. Sharada Publishing House, Delhi.
18. Indrani Basu Roy (2012). Anthropology: The Study of Man. S. Chand & Company Ltd., Ram Nagar, New Delhi.
19. Gaya Pandey (2010). Bio-Cultural Evolution. Concept Publishing Company Pvt. Ltd. New Delhi.
20. Burkitt, M. (1963). The Old Stone Age: A study of Palaeolithic Times. London: Bowes and Bowes.



<b>M.A./M.Sc. I<sup>st</sup> Semester</b>	<b>Course Credit: 4</b>
<b>Paper Code: ANT-M104</b>	<b>Full Marks: 100</b>
<b>Research Methodology</b>	<b>(60+40)</b>

- Unit I:** Fieldwork and Field work Traditions in Anthropology, Methodological Approaches in Anthropology; Holistic, Synchronic and Diachronic, Emic and Etic, Ethno-scientific and Genealogical Method.
- Unit II:** Anthropological approaches to the study of simple societies and complex societies; Hypothesis: Inductive and Deductive, Testing of Hypotheses, Null hypotheses.
- Unit III:** Types of Research Design: Exploratory, Descriptive, Experimental and Evaluative Studies.
- Unit IV:** Survey Methods in Anthropology; Methods of Sampling: Probability and Non-Probability sampling - Observation Techniques.
- Unit V:** Interview Techniques: Key-informant, Schedule and Questionnaire, Life History, Case Study, Report Writing.

### Suggested Readings

1. Agar, M. The professional stranger, an informal introduction to Ethnography. New York: Academic Press, 1980.
2. Bernard, H.R., Research Methods in Anthropology. London: Sage, 1994.
3. Brewar, J.D., Ethnography. Buckingham: OUP, 2000.
4. Coffey, A. The Ethnographic Self: Field Work and the Representation of Identity. London: Sage.
5. Dey, I., Qualitative Data Analysis, London: Routledge, 1993.
6. Eller, R (ed). Ethnographic Research: A Guide to General Conduct. London: Academic Press, 1984.
7. Fetterman, M.D., Ethnography: Step by Step. London: Sage, 1989.
8. Hammersley, M. And Alkinson, P., Ethnography: Principles in Practice. London: Tavistock, 1983.
9. Mc cracker, G., The long Interview. London: Sage, 1989.
10. Patton, M.Q., Qualitative Research and Evaluation Methods. London: Sage, 2002.
11. Silverman, D., Interpreting Qualitative Data. London: Sage, 1993.
12. Stewart. A., The Ethnographer's Method. London: Sage, 1998.
13. Singha, K. "Participant Observation and In-depth Interviewing" in B.Y. Attig, et al. (eds), Qualitative Methods for Population and Health Research. Bangkok: Mahidol Univeristy, pp 120-128, 1993.
14. Watson, C. W. (Ed) Being There: Field work in Anthropology. London: Pluto Press.
15. Hamersley, M. What's wrong with Ethnography. London: Routledge, 1992.
16. Moser, C.A. and Kalton, G. Survey Methods in Social Investigation. London: Heinemann, 1971.
17. Merton, R.K. On Theoretical Sociology. New York: Free Press. 1967.





18. Goode, W.J. and Hatt, P.K. Methods of Social Research. New York: McGraw Hill. 1952.
19. Silverman, D. (Eds). Qualitative Research: The Methods and Practice. 2<sup>nd</sup> Edition; London: Sage
20. Bryman .A. and Liao .T.F ( Ed ). The Sage Encyclopaedia of Social Science Research Methods; 3 volumes; Thousand Oaks, Calif; Sage 2004.
21. Bryman, A. Social Research Methods. 3<sup>rd</sup> edition Oxford: OUP. 2008
22. Bryman, A. Doing Research in organisation. Routledge 1988.
23. Bryman, A. Research Methods and organisational Studies. London: Rout ledge, 1989.
24. Hardy, M. And Bryman. A (eds). Handbook of Data Analysis. London: Sage, 2004
25. Bryman, A. Qualitative Data Analysis with SPSS 15: A Guide for Social Science, London Rout ledge, 2008.
26. Bryman, A. and Burgess, R. G (Ed) Qualitative Research, London: Sage .1999.
27. Boulmer, M (Eds) Social Research Methods. Macmillan. 1984.
28. Jahoda, M., Deutsch, M, and Cook, S.W., Research Methods in Social Relations. New York: Dryde 1951.
29. Junker, B. Field Work, Chicago: University of Chicago Press. 1960.
30. Hammersley, M. Reading Ethnographic Research: A Critical Guide. London: Longman. 1991
31. Pelto, P.J. and Pelto, G.H. Anthropological Research: The Structure of Inquiry. New York. Cambridge University Press. 1978.
32. Bernard, H.R. Research Methods in Anthropology: Qualitative and Quantitative Approaches (4<sup>th</sup> edition). Rawat Publication. 2008.
33. Srivastava, V (Ed.). Methodology and Fieldwork. Oxford India Paperbacks, New Delhi.2005.
34. Srinivash, M. N. (Ed.), Methods in Social Anthropology. Hindustan Publishing Corporation, New Delhi, 1995.
35. Krishnaswami, O. R. and Ranganatham, M. Methodology of Research in Social Sciences. Himalaya Publishing House, Mumbai, 2009.
36. Kothari, C.R. Research methodology: methods and techniques. 2 ed., New Delhi: Vishwaprakashan, 1990.



<b>M.A./M.Sc. I<sup>st</sup> Semester</b>	<b>Course Credit: 2</b>
<b>Paper Code: ANT-M105</b>	<b>Full Marks: 100</b>
<b>Practical in Somatometry and Somatoscopy</b>	<b>(60+40)</b>

**Unit I:** Drawing and description of various anthropometry instruments: Anthropometer rod, Spreading Caliper, Sliding Caliper, Weighing machine, Measuring Tape.

**Unit II:** Somatometric Measurements on Head and Face: Maximum head length; Maximum head breadth; Breadth of Bizygomatic Arch; Nasal height; Nasal breadth; Morphological facial height; Head Circumference.

**Unit III:** Somatometric Measurements on Trunk and Limbs: Height vertex; Sitting height vertex; Length of Upper Arm; Length of the Forearm; Length of Hand, Bi-acromial diameter; Hand breadth; Body weight; Waist Circumference; Hip Circumference.

**Unit IV:** Somatometric Indices: Cephalic Index (CI); Nasal Index (NI); Morphological Facial Index (MFI); Relative Sitting Height Index (RSHI); Body Mass Index (BMI); Waist Hip Ratio (WHR).

**Unit V:** Somatoscopic Observations: Body Posture; Head form; Hair form; Eye form; Nose form; Hair colour.

### Practical Record

### Viva Voce

### Suggested Readings

1. I. P. Singh & M. K. Bhasin. (1989) A Laboratory Manual on Biological Anthropology. Kamla-Raj Enterprises, Delhi.
2. D. Mukherjee, D. Mukherjee & P. Bharati. (2009) Laboratory Manual for Biological Anthropology. Asian Book Private Limited, New Delhi.
3. B.M. Das & R. Deha. Physical Anthropology Practical. Kitab Mahal, Allahabad, U.P.
4. S.J. Ulijaszek and C.G.N. Mascie-Taylor. Anthropometry: the individual and the population.
5. B. M. Das. Outlines of Physical Anthropology. New Delhi.
6. Galton F. (1884) Anthropometric Laboratory. London (Also in J. Anthropol. Inst., (Lond.) 1884, 14, 205).



**M.A./M.Sc. I<sup>st</sup> Semester**

**Course Credit: 2**

**Paper Code: ANT-M106**

**Full Marks: 100**

**Practical in Prehistoric Archaeology**

**(60+40)**

**Drawing and Description of the following Palaeolithic Tools:** Lower Palaeolithic Tools - Middle Palaeolithic Tools - Upper Palaeolithic Tools.

**Drawing and Description of Mesolithic Tools:** Microliths - Triangle, Lunate, Trapaze and Laminar tools.

**Drawing and Description of Neolithic Tools:** Ring Stone, Celt and Pottery

## Practical Record

### Viva Voce

### Suggested Readings

1. Gaya Pandey (2010). Bio-Cultural Evolution. Concept Publishing Company Pvt. Ltd. New Delhi.
2. Inizan, M. L.; M. R. Ballinger; H. Roche and J. Tixier. (1999). Technology and terminology of Knapped Stone. Nanterre: CREP.
3. Oakley, K.P. (1972). Man the Tool Maker. London. Trustees of the British Museum Natural History.
4. Bhattacharya, D.K. (1979). Old Stone Age Tools: A Manual of Laboratory Techniques of Analysis. Calcutta: K. P. Bagchi and Company.
5. Sankalia, H. D. (1977). Prehistory of India. Delhi: Munshiram Manoharlal Publishers Pvt. Ltd.
6. Sankalia, H.D. (1982). Stone Age Tools: Their techniques, Names and Probable Functions. Poona: Deccan College.
7. Bhattacharya, D. K. (2006). An outline of Indian Prehistory. Delhi: Palaka Prakashan.
8. Indrani Basu Roy (2012). Anthropology: The Study of Man. S. Chand & Company Ltd., Ram Nagar, New Delhi.



**M.A./M.Sc. II<sup>nd</sup> Semester** **Course Credit: 4**

**Paper Code: ANT-M201** **Full Marks: 100**

**Human Genetics** **(60+40)**

- Unit I:** Human Genetics: Mendel's Law of Inheritance and its application to man; Patterns of Inheritance: Autosomal, sex-linked traits and extra nuclear inheritance; Methods of studying heredity: twin method and pedigree method.
- Unit II:** Population Genetics: Hardy-Weinberg Law and its application to human population; Genetic Polymorphism: Balanced and Transient.
- Unit III:** Cytogenetics: Structure, properties and function of chromosome; Karyotypes, Banding Techniques, Chromosomal aberrations in Man.
- Unit IV:** Structure and function of a Cell; Cell Division: Mitosis & Meiosis; Structure and function of DNA & RNA, Replication of DNA, Recombinant DNA.
- Unit V:** Applications of human genetics: Pre-natal diagnosis and genetic counselling. Social ethical issues in human/medical genetics.

### Suggested Readings

1. Harris H. Human Biochemical Genetics. Cambridge University Press. 2010.
2. Relethford JH. Human Population Genetics. A John Wiley & Sons, Inc., Publication. 2012.
3. Steve Jones, Robert Martin and David Pilbeam (Edt.) The Cambridge Encyclopedia of Human Evolution. Cambridge University Press, 1997.
4. Grine FE, Fleagle JG, Leakey RE. The First Humans Origin and Early Evolution of the Genus Homo. Springer, 2006.
5. Reddy VR. Current Trends in Human Genetics and Physical Anthropology. Dr (Mrs) V. Indira, Vidyanagar, Tirupati, Andhra Pradesh, India. 2012.
6. Templeton AR. Population Genetics and Microevolutionary Theory. John Wiley & Sons, Inc., Hoboken, New Jersey. 2006.
7. Fleagle JG. Primate Adaptation and Evolution. 2<sup>nd</sup> Edition, Elsevier Academic Press, 1999.
8. Harrison GA, Tanner JM, Pilbeam DR, Baker PT. Human Biology. An Introduction to Human Evolution, Variation, Growth and Adaptability. Oxford Science Publications, Oxford University Press, 2004.
9. Jobling, MA Hurler, M and Tyler-Smith, C. Human Evolutionary Genetics, Origins, Peoples and Disease. Garland Science, New York, 2004
10. Strachan, T and Read, AP. Human Molecular Genetics. Garland Publishing Inc, New York, 2003.



11. Templeton, AR. Population Genetics and Microevolutionary Theory. Wiley Liss, New York, 2006.
12. Mange EJ and Mange AP. Basic Human Genetics. Sinauer Associates Inc.
13. Crawford, M. (Ed). Anthropological Genetics. Cambridge University Press. 2006.
14. Vogel, F and Motulsky, G. 1998. Human genetics: Problems & Approaches. Springer-Verlag Berlin. 2010.
15. Kothari Mehta Roychoudary. Essentials of Human Genetics. University Press, India.
16. South Asian Anthropologist. Serial Publication, 4830/24, Asian Road, Daryaganj, New Delhi-110002.
17. The Oriental Anthropologist. Serial Publication, 4830/24, Asian Road, Daryaganj, New Delhi-110002.
18. Journal of Social Anthropology. Serial Publication, 4830/24, Asian Road, Daryaganj, New Delhi-110002 .
19. The Anthropologists. Kamla Raj Enterprises, 2273, Gali Bari Paharwali, Chawri Bazar, Post Box No. 1120, Delhi - 110006.
20. The Indian Journal of Anthropology. Indian National Confederation and Academy of Anthropologists (INCAA), Kadam Kanon, P.O. Jhargram, West Medinipur, West Bengal, India-721507
21. Hartl L.D. Human Genetics, Jones & Bartlett Learning.





**M.A./M.Sc. II<sup>nd</sup> Semester**

**Course Credit: 4**

**Paper Code: ANT-M202**

**Full Marks: 100**

**Bio-Social Problems of Indian Population**

**(60+40)**

- Unit I:** Problem of Population Growth in India, Demographic Transition in India, Demographic Consequences of Family Planning and Family Welfare, Population Policy in India.
- Unit II:** Problems of Poverty and Unemployment, Social Discrimination and Inequality; Universalization of Education.
- Unit III:** Problems of Hunger and Malnutrition in India; Obesity and Nutritional Deficiency diseases; National Rural Health Mission of India: National Urban Health Mission, Problems of Communicable and Non-Communicable diseases in India, Infant Mortality and Maternal Mortality problem in India; Occupational Health Hazards.
- Unit IV:** Bio-Social Problem of Ageing and Aged, HIV/ AIDS, Alcoholism and Drug Abuse in India.
- Unit V:** Global Warming and Climate Change and its impact on India, Environment Pollution: Air, Water and Land: Principles and Policies.

**Suggested Readings:**

1. Gaya Pandey - Bio-Cultural Evolution
2. Indrani Basu Roy – Anthropology: The Study of Man
3. Das, N.K.- Industrialization and Tribal Society
4. Helen R. Sekar- Child Labour Legislation in India
5. Asha A. Bhende and Tara Kanitkar- Principles of Demography in India
6. David G. Mandelbaum- Society in India
7. Yogesh Atal. Understanding Indian Society
8. VLS Prakasa Rao. Urbanization in India (Spatial Dimensions)
9. K Srinivasan, PC Saxena and Tara Kanitkar. Demographic and Socio-Economic Aspects of The Child in India.
10. Sophie Baker. Caste At Home in Hindu India.
11. P. Sudhakar Reddy, V Gangadhar. Indian Society (Continuity Change and Development)
12. Y M Verma. Problems of Tribal India
13. KR Sharma. Educational Life Style of Tribal Students (A Study of Secondary Schools in Madhya Pradesh)
14. AN Bharadwaj. Problems of Scheduled Castes and Scheduled Tribes in India.
15. Sushama Sahay Prasad. Tribal Woman Labourers: Aspects of Economic and Physical Exploitation.
16. Renuka Pamecha. Elite in a Tribal Society.





<b>M.A./M.Sc. II<sup>nd</sup> Semester</b>	<b>Course Credit: 4</b>
<b>Paper Code: ANT-M204</b>	<b>Full Marks: 100</b>
<b>Indian Anthropology and Museology</b>	<b>(60+40)</b>

- Unit I:** Approaches to the study of Indian society, culture and civilization: Indological, Anthropological and Historical. Geographical distribution, Racial and Linguistic classification; Unity and Diversity in Indian Society: Linguistic, Political and Ethnic; Challenges to National integration.
- Unit II:** Basis of Traditional Indian Social Structure and Life cycle in Vedic Age (Varnashrama dharma and Purusartha); Structure of Indian society: Caste System, Varna and Caste, Dominant Caste, Caste Mobility, Caste and Tribe, Great Tradition and Little Tradition; Indian Village Characteristics, Jajmani System.
- Unit III:** Processes of Socio-Cultural changes in Indian Society: Sanskritization, Westernization, Globalization.
- Unit IV:** Weaker Sections in India: Scheduled Tribes, Scheduled Caste, Definition and criteria, Classification and distribution of Tribes on the basis of economic, cultural and linguistic; Tribe-Caste continuum - Tribal identity Issues.
- Unit V:** Rise of Anthropology in India: Contributions of anthropologists, scholars and administrators in 19<sup>th</sup> and 20<sup>th</sup> Century (V Ellwin, S.C. Roy, N.K. Bose, L. P. Vidyarthi).

### Suggested Readings

1. Ahuja, Ram. Indian Social System
2. Srinivas, M.N. Indian Social Structure.
3. Hasnain, Nadeem. Indian Anthropology
4. Marriot, Mckim. Village India.
5. Dube, S.C. India's Changing Villages.
6. Dube, S.C. Social Change.
7. Singh, Yoginder. Modernization in India Tradition.
8. Saran, Gopal. Anthropology of Indian Civilization (J India Anthro Soc, Vol. 5, 1978).
9. Sachchidanand. Cultural Change in Tribal Bihar.
10. Cohn, B.S. India: Social Anthropology of A Civilization.
11. Mohapatra, L. K. Transformation of Tribal Society in India.
12. Majumdar, D.N. Races and Cultures of India.
13. Hutton, J. H. Caste in India.
14. Dumont Lowis. Hindu-Hierarchicus: The Caste and Its Implications.
15. Baily, F. G. Tribe, Caste and Nation.



**M.A./M.Sc. II<sup>nd</sup> Semester** **Course Credit: 4**

**Paper Code: ANT-M205** **Full Marks: 100**

**Practicals & Museology** **(60+40)**

Draw and Label the following Technological Implements and describe their characteristic features: Agriculture Implements; Hunting Implements; Fishing Implements; Storing Implements

Describe the method of Conservation and preservation of the following materials: (a) wood, (b) Iron, (c) Cotton and (d) Leather

## Practical Record

### Viva Voce

### Suggested Readings

1. Mukherji, D., D. Mukherjee and P. Bharti. Laboratory Manual for Biological Anthropology. Asian Books Pvt. Ltd., New Delhi, 2009.
2. Nath, S. 1996. Forensic Anthropology. Astham Prakashan, Delhi, 1996.
3. Byere S.N. Anthropology to Forensic Anthropology - A Text Book (2<sup>nd</sup> Edition) Pearson New York. 2005.
4. Nath S. An Introduction to Forensic Anthropology Gain Publishing House, New Delhi, 1989.
5. Singh I.P. and M.K. Bhasin. A Laboratory Manual on Biological Anthropology – Anthropometry. Kamal-Raj Entreprises, Delhi, 1989.
6. Ghoshmaulik, S. K. and B. Rath. Techniques in Forensic and Physical Anthropology. Mayur Publications, Bhubaneswar, 2000.
7. Das, B.M. and R. Deka. Physical Anthropology Practical. Kitab Mahal, Allahabad, 1998.
8. Bhasin MK and Chahal. A Laboratory Manual for Human Blood Analysis. Kamla Raj Enterprises. Gali Bari Paharwali, Chawri Bazar, Delhi, 1996.



**M.A./M.Sc. II<sup>nd</sup> Semester**

**Course Credit: 4**

**Paper Code: ANT-M206**

**Full Marks: 100**

**Practicals in Human Genetics**

**60 + 40**

1. Blood Group: Blood Typing-Detection of complete and incomplete antibodies with reference to Rh (including subgroups), MNSs, Kell, and Lewis blood group systems.
2. ABO (Subgroups), MN and Rh Blood group Systems
3. PTC
4. Colour Blindness
5. Dermatoglyphics
  - i. Finger Print
  - ii. Palmer Print
  - iii. Planter Print

### Practical Record

### Viva Voce

### Suggested Reading

1. B.L. Agarwal. Basic Statistics. New Age International Publishers. Fourth Edition, 2006.
2. Fox and Alan. Elementary Statistics in Social Research. Gian Publishing House,
3. Sunder Rao, P.S.S. et al. An introduction to Biostatistics & Research Method. New Arrivals-PHI
4. Wackerly Dennis D, Mendelhall III, Wiliam et al. Mathematical Statistics with application Duxbury Press, Pacific Grove.
5. Gaur AS, Gaur SS. Statistical Methods for Practice and Research. A guide to data analysing using SPSS. SAGE Response, New Delhi, India, 2009.
6. Sunder Rao, P.S.S. et al. An introduction to Bio-statistics & Research Method. New Arrivals-PHI.
7. Conover W.J. Practical Nonparametric Statistics. Third Edition. Wiley India (P) Ltd. Ansari Road, Daryaganj, New Delhi. 1999.



**M.A./M.Sc. III<sup>rd</sup> Semester**

**Course Credit: 4**

**Paper Code: ANT-M301**

**Full Marks: 100**

**Ecological Anthropology**

**(60+40)**

<b>Unit I:</b>	Ecological Anthropology: Definition and Scope; Environmental Determinism and Environmental Possibilism; Cultural Ecology, Population Ecology, System Ecology, Ethnoecology.
<b>Unit II:</b>	Ecology and Ecosystem: Definition of Ecology and Ecosystem; Meaning, Types and Components of Ecosystem: Biotic and Abiotic, Ecological Niche.
<b>Unit III:</b>	Ecological Transition: Concept of Culture Core and its relation with Environment and Other aspects of Culture; Ecological Ethnography: Hunter-Gatherers, Nomads and Shifting Cultivators; Concept of Carrying Capacity.
<b>Unit IV:</b>	Adaptation and Evolution: Inter dependency between Biological and Cultural Evolution, Concept of Sustainable Development; Environmentalism: Ecological Movements.
<b>Unit V:</b>	Environmental Problems: Causes and Consequences of degradation of Land, Water, Air, Forest and Bio-Diversity Resources; Global Warming, Green House Effect; Impact of Mega development projects on the environment.

### Suggested Readings

1. Bennet, J.W. The Ecological Transition.
2. Bhss, L.C, Heal, O.W. Moore, J. Tundra Ecosystem.
3. Bresser, Human Ecology.
4. Butzer, Karl. Archaeology as Human Ecology.
5. Chapple, D.(ed) Biological Foundation of Individuality and Culture
6. Brock, T.H. Primate Ecology.
7. Eckstein . Food, People and Nutrition.
8. Eckstein, P.R. & Ehrlick, Avne, Holdren, J.P. Human Ecology.
9. Greenwood & Edwards. Human Environments & Natural Systems.
10. O. Hardesty, D. Ecological Anthropology.
11. J.Owen Jones, and Paul Rogers. Human Ecology and the Development of Settlements.
12. Jorgenson, J.G. Biology and Culture in Modern Perspective.
  13. Kafman, PB./J.D. Lacroix Plant, People, Environment.
  14. Krebs, C.J. Ecology (Latest edition).
  15. Mortwitz, H.J. Foundations of Bio-energetics.
  16. Odum, O.P. Ecology.
  17. Odum, E.P. Fundamentals of Ecology.
  18. Solomon Katz (ed). Biological anthropology (Scientific American).
  19. Sussman, R.W. Primate Ecology.
  20. Watts Johnston & Lasker. Bio-social Interrelation in Population Adaptation.
  21. Yadab, C.S. Contemporary City Ecology.
  22. Weiner, J. Harrisson, G. A, Barricndt, Tanner, J. M. Human Biology.



**M.A./M.Sc. III<sup>rd</sup> Semester**

**Course Credit: 4**

**Paper Code: ANT-M302**

**Full Marks: 100**

**Medical Anthropology**

**(60+40)**

- Unit I:** Medical Anthropology: Meaning and Scope, Theories of Medical Anthropology: Socio-Cultural perspective, Bio-cultural perspective, Critical Medical Anthropology.
- Unit II:** Concept and Interpretation of Health, Illness and Disease: Socio-cultural and Bio-medical perspectives, Medical Pluralism and Syncretism, Ethnomedicine, Medical systems in India, Tribal health and ethno medicine.
- Unit III:** Epidemiology of Common Communicable diseases and Non-Communicable diseases, Cultural factors in Epidemiology, Health care delivery system in India, Anthropology and Public Health, Issues and trends in international health: HIV-AIDS, Diarrhoea, ARI.
- Unit IV:** Genetic Disorders in Indian population, Maternal and Child Health problems, Problems of Under and Over nutrition in India.
- Unit V:** National Health Policy, NRHM, National Nutrition Policy, Occupational health problems, Stress and Disease. Relevance of medical anthropology in changing global health scenario.

### Suggested Readings

1. Robert Anderson. Magic, Science and Health: The Aims and Achievements of Medical Anthropology.
2. Cecil G Helman. Culture, Health and Illness.
3. John M. Janzen. The Social Fabric of Health.
4. Lola Romanucci-Ross, Daniel E. Moerman, Laurence R. Tancredi. The Anthropology of Medicine: From Culture to Method.
5. Roy J. Shephard & Andris Rode. The Health consequences of 'modernization'.
6. Dastur H.P. A doctor's approach to Industrial Medicine.
7. Usha S. Naidu & Kamini R. Kapadia. Child Labour and Health: Problems & Prospects.
8. Carol R. Ember & Melvin Ember. Encyclopedia of Medical Anthropology, Vol.I&II
9. Michael R. Zimmerman. Foundations of Medical Anthropology.
10. Sima Mukherjee. Traditional Hygienic Practices in Rural India.
11. Ahmad S. I. Industrialization and Mental Health.
12. Robert Pool & Wenzel Geissler. Medical Anthropology.
13. Cecil G Helman. Culture, Health and Illness.
14. Peter J. Brown. Understanding and Applying Medical Anthropology.
15. Jose Boban, K. Tribal Ethnomedicine: Continuity and Change.





**M.A./M.Sc. III<sup>rd</sup> Semester**

**Course Credit: 4**

**Paper Code: ANT-M303A**

**Full Marks: 100**

**Human Population Genetics**

**(60+40)**

**Theory**

**Unit I:** Mendelian populations, concept of Hardy-Weinberg equilibrium, Testing equilibrium and measuring departure from it. Application of H-W law in human population genetics.

**Unit II:** Genetic polymorphism- basic concept of transient and balanced polymorphism. Natural selection, Darwinian fitness, selection leading to change in gene frequency, and selection leading to change in genetic equilibrium.

**Unit III:** Haemoglobin polymorphism, thalassaemia and Mutation rate, Dynamics of genetic drift, selection and gene flow/ migration

**Unit IV:** Consanguinity and inbreeding - (definitions and concept) Genetic consequences of inbreeding in human population, inbreeding coefficient and genetic load.

**Unit V:** Magnitude of consanguineous marriages in India and World over. DNA polymorphism, Human Genome Project.

**Suggested Reading**

1. Principles of Population Genetics Daniel Hartl & A.G. Clark (1997) Sinauer Associates, Inc.
2. Principles of Genetics Peter Snustad and M. J. Simmons (2006). John Wiley and Sons, Honboken, NJ.
3. Genetics : A Conceptual Approach Benjamin Pierce (2003). W. H. Freeman & Company.
4. A Primer of Population Genetics Daniel Hartl (1999) Sinauer Associates, Inc.
5. The genetics of Human Population Cavalli - S. Ferza and Bodmer (1976) Freeman, San Francisco.





**M.A./M.Sc. III<sup>rd</sup> Semester**

**Course Credit: 4**

**Paper Code: ANT-M304A**

**Full Marks: 100**

**Human Biology, Growth and Nutrition**

**(60+40)**

- Unit I:** Balance diet, Nutritional Requirement in Man: Carbohydrate, Protein, Fat, Minerals and Vitamins; Carbohydrate and Lipid Metabolism in Man;
- Unit II:** Assessment of nutritional status, National nutritional programmes for elimination of malnutrition and food insecurity.
- Unit III:** Concept of Human Growth; Stages of Human Growth: Prenatal & Post natal; Human Growth Curves of different body parts and tissues; Catch-Up Growth, maturation, Methods of studying Growth, Growth Curve; Secular Trends in Growth
- Unit IV:** Factors affecting Growth: Genetical, Hormonal, Environmental & Physiological.
- Unit V:** Human Adaptation: Human Adaptation to Heat, Cold, High altitudes.

### Suggested Readings

1. Bogin, B. 1988. Patterns of Human Growth. Cambridge University Press, Cambridge.
2. Mader, S.S. (6th Ed.). (2000) Human Biology. Mc Graw Hill, New Delhi.
3. Campbell, N.A, J.B. Reece and E.J. Simon (2<sup>nd</sup> Eds.). 2010. Essential Biology with Physiology. Pearsons, New Delhi.
4. Harrison, G.A., J.S. Weiner, J.M. Tanner and N.A. Barnicot. (1964) Human Biology: An Introduction of Human Evolution, Variation and Growth. Claredon Press, Oxford.
5. Jobling M. A., M. E. Hurles and C. Tyler-Smith. (2004) Human Evolutionary Genetics: Origins, Peoples & Disease. Garland Science. New York.
6. Yong J. Z. (1971) Introduction to the Study of Man. The English Language Book Society and Oxford University Press, Oxford.
7. Malina, R. M.; C. Bouchard and O. Bar-Or. (2004) Growth, maturation & physical activity. Human Kinetics.
8. Harrison, G.A. and H. Morphy. (1998) Human Adaptation. Berg Publisher, Oxford.
9. Damon, A. (Ed.). 1975. Physiological Anthropology. Oxford University Press, London.
10. Shephard, R. J. 1991. Body composition in biological anthropology. Cambridge University Press, Cambridge.
11. Champe, P. C. And R. A. Harvey (3<sup>rd</sup>Ed). 2005. Lippincott's Illustrated Reviews: Biochemistry, Lippincott Williams & Wilkins, Philadelphia.
12. Nelson, D. L and M. M. Cox. 2008. Lehninger Principles of Biochemistry, Fifth Edition. W. H. Freeman Company, New York.
13. Harlin, J.; G. Bertoni, L. J. Kleinsmith (8thEd.). 2012. Becker's World of the Cell. Pearson Benjamin Cummings, San Francisco.

**Courses Focus on Employability/Entrepreneurship/Skill Development Criteria -**

**I (1.1.3)**



14. Tanner, J. M. 1978. Growth at Adolescence. Blackwell Science Ltd. London.
15. Carter, J. and B.H. Heath. 1990. Somatotyping – Development and Application. Cambridge University Press, Cambridge.
16. Lasker, G. W. and C. G. N. Mascie-Taylor (Ed.). 1993. Research strategies in human biology: field and survey studies. Cambridge University Press, Cambridge.
17. Weiss, K. M. 1993. Genetic variation and human disease: Principles and evolutionary approaches. Cambridge University Press, Cambridge.
18. Growth, maturation & physical activity (2004) Malina, Robert M; Bouchard, Claude, Bar-Or, Oded. Human Kinetics.
19. Human growth and development by Cameron Noel (20U2). St. Louis, Academic Press.
20. Proceeding on Human Physical Growth and Maturation by eds. Johnson, FE, Roche, AF, Susanne, C, (1980). Plenum Publishing Corporation.
21. Applied body Composition Assessment (2009) Heyward, VH; Wagner DR. Human Kinetic.



**M.A./M.Sc. III<sup>rd</sup> Semester**

**Course Credit: 2**

**Paper Code: ANT-M306A**

**Full Marks: 100**

**Practical in Human Biology, Growth and Nutrition**

**(60+40)**

**Unit I:** Measurements on Anthropometric Variables: (i) Standing height vertex; (ii) Sitting height vertex; (iii) Body weight; (iv) Head circumference; (v) Mid. upper arm circumference; (vi) Chest circumference; (vii) Waist circumference; (viii) Hip circumference; (ix) Calf circumference

**Unit II:** Skinfold Measurements: (i) Skinfold at biceps; (ii) Skinfold at triceps; (iii) Subscapular skin fold; (iv) Suprailiac skinfold; (v) Medial calf skinfold

**Unit III:** Measurements on Physiological Variables: Blood Pressure (BP): Systolic and Diastolic Pressure (SBP & DBP); Haemoglobin concentration

**Unit IV:** Indices: Body Mass Index (BMI); Body Mass Abdominal Index (BMAI); Body Adiposity Index (BAI); Waist Hip Ratio (WHR) and Waist Height Ratio (WHTR)

**Unit V:** Assessment of Nutritional Status & Growth: (i) Diet Survey Methods - Family and Individual; (ii) Clinical assessment of Nutritional Status

### Practical Record

#### Viva Voce

Note: Each student has to measure and assess the anthropometric, physiological variables and nutritional intake status at least on 15 individuals

#### Suggested Readings

1. Das, B. M.: Outline of Physical Anthropology
2. Sarkar, S.S.: Aboriginal Races of India
3. Sarkar, R.M.: Fundamentals of Physical Anthropology
4. Comas, J. Manual of Physical Anthropology
5. Montagu, A.: An Introduction to Physical Anthropology
6. Laskar, G.W.: Physical Anthropology
7. Hootan, E.A.: Up From the Ape
8. Jannush, J. Buettner : Origins of Man
10. UNESCO: Race Question of Modern Science
11. Coon, C.S.: Anthropology from A to Z
15. Sing, I.P. & Bhasin, M.K.: Anthropometry
16. Das, B. M.: Manab Gosthi
17. Das, B.M. & R. Das: Manab Parajati Parichaya
18. Das, B.M. & P.B. Das: Prathamik Abayabik Nritattwa
19. Das, P.B.: Jibasma Manab.
21. Winchester, M.A.: Genetics
22. Rothwell, N.V.: Human Genetics
23. Mange, E.J. & Mange, Arthur: Basic Human Genetics.

**Courses Focus on Employability/Entrepreneurship/Skill Development Criteria -**

**I (1.1.3)**



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24. Singh IP & Bhasin A Laboratory Manual on Biological Anthropology - Anthropometry. Kamal-Raj Entreprises, Delhi, 1989.



**M.A./M.Sc. III<sup>rd</sup> Semester**

**Course Credit: 4**

**Paper Code: ANT-M304B**

**Full Marks: 100**

**Tribes in India: Their Problems and Development**

**(60+40)**

- Unit I:** Conceptualising Scheduled Tribes in India: Their Socio-Economic, Political and Religious Organisations, Changing concept of Tribes in India; Constitutional Safeguards for STs, Administration of Scheduled Areas, Fifth and Sixth Schedule of the Constitution of India.
- Unit II:** Tribal Problems in India: Problem of Education, Indebtedness, Land Alienation, Displacement and Rehabilitation, Atrocity on Tribal People.
- Unit III:** Human Development Index and Human Development Report, Impact of Development Programs on tribal people: Sarva Sikhya Abhiyan (SSA) and Mahatma Gandhi National Rural Guarantee Scheme (MGNREGS).
- Unit IV:** Concept and Definition: Human Rights and Tribal Rights, Scheduled Caste and Scheduled Tribe (Prevention Atrocity) Act 1989 and 1995, The National Commission for Scheduled Tribes, PESA Act, 1996, Scheduled Tribe and OTFD Act, 2006.
- Unit V:** United Nations Declaration on the Rights of Indigenous People, International Labor Organisation Convention violation of Tribal Rights.

### Suggested Readings

1. Mathur, Hari Mohan (Ed.). Anthropology in Development Process.
2. Foster, G.M. Traditional culture and impact of technological Change.
3. Singh. K.S. Tribal Situation in India.  
Upadhyay, V.S. and Pandey, Gaya. Tribal development in India: A critical Appraisal  
Bhandari, J.S. & Channa, S, M. (Ed.) Tribes and Government Policies.
4. Pati, R.N. & Dash, J. (Ed.) Tribes and Indigenous People of India: Problems and Prospects
5. Cochrane, Glyn. Development Anthropology.
6. Schumacher, E.F. Small is Beautiful.
7. Vidyarthi, L.P. Applied Anthropology in India.
8. Sharma, B.D. Planning for Tribal Development.
9. Dube, S.C. Tribal Heritage of India.
10. Behura, N.K. and Panigrahi, N. Indian Constitution and the Tribals: Functioning of Fifth Schedule in the State of Orissa.



**M.A./M.Sc. III<sup>rd</sup> Semester**

**Course Credit: 4**

**Paper Code: ANT-M305B**

**Full Marks: 100**

**Practicals in Qualitative Data**

**(60+40)**

**Unit I:** Preparation of tools for qualitative data collection: Household census schedule, preparation of structured and unstructured questionnaire, Interview schedule to collect data on different socio-economic, education, festival, economy of tribal communities

**Unit II:** Preparation of tools for qualitative data collection: Drawing of family Genealogy, Preparation of guidelines for in-depth interview, case study

**Unit III:** Preparation of study objectives, hypotheses and Research Design on health, education, economy, Festival of Tribal Society

**Unit IV:** Preparation and use of PRA Techniques

**Unit V:** Preparation and use of RRA Techniques

[Note: The Students are required to orient themselves in the above techniques for collection of data relating to socio-cultural anthropology]

### Suggested Readings

1. Agar, M. The professional stranger, an informal introduction to Ethnography. New York: Academic Press, 1980.
2. Srivastava, V (Ed.). Methodology and Fieldwork. Oxford India Paperbacks, New Delhi.2005.
3. Srinivash, M. N. (Ed.), Methods in Social Anthropology. Hindustan Publishing Corporation, New Delhi, 1995.
4. Krishnaswami, O. R. and Ranganatham, M. Methodology of Research in Social Sciences. Himalaya Publishing House, Mumbai, 2009.
5. Kothari, C.R. Research methodology: methods and techniques. 2 ed., New Delhi: Vishwaprakashan, 1990.
6. Bernard, H.R., Research Methods in Anthropology. London: Sage, 1994.
7. Brewar, J.D., Ethnography. Buckingham: OUP, 2000.
8. Coffey, A. The Ethnographic Self: Field Work and the Representation of Identity. London: Sage.
9. Dey, I., Qualitative Data Analysis, London: Routledge, 1993.
10. Eller, R (ed). Ethnographic Research: A Guide to General Conduct. London: Academic Press, 1984.
11. Fetterman, M.D., Ethnography: Step by Step. London: Sage, 1989.





12. Hammersley, M. And Alkinson, P., *Ethnography: Principles in Practice*. London: Tavistock, 1983.
13. Mc cracker, G., *The long Interview*. London: Sage, 1989.
14. Patton, M.Q., *Qualitative Research and Evaluation Methods*. London: Sage, 2002.
15. Silverman, D., *Interpreting Qualitative Data*. London: Sage, 1993.
16. Stewart. A., *The Ethnographer's Method*. London: Sage, 1998.
17. Singha, K. "Participant Observation and In-depth Interviewing" in B.Y. Attig, et. al (eds), *Qualitative Methods for Population and Health Research*. Bangkok: Mahidol Univeristy, pp 120-128, 1993.
18. Watson, C. W. (Ed) *Being There: Field work in Anthropology*. London: Pluto Press.
19. Hamersley, M. *What's wrong with Ethnography*. London: Routledge, 1992.
20. Moser, C.A. and Kalton, G. *Survey Methods in Social Investigation*. London: Heinemann, 1971.
21. Merton, R.K. *On Theoretical Sociology*. New York: Free Press. 1967.
22. Goode, W.J. and Hatt, P.K. *Methods of Social Research*. New York: McGraw Hill. 1952.
23. Silverman, D. (Eds). *Qualitative Research: The Methods and Practice*. 2<sup>nd</sup> Edition; London: Sage
24. Bryman, A. *Social Research Methods*. 3<sup>rd</sup> edition Oxford: OUP. 2008
25. Bryman, A. *Research Methods and organisational Studies*. London: Rout ledge, 1989.
26. Hardy, M. And Bryman. A (eds). *Handbook of Data Analysis*. London: Sage, 2004
27. Bryman, A. *Qualitative Data Analysis with SPSS 15: A Guide for Social Science*, London Rout ledge, 2008.
28. Bryman, A. and Burgess, R. G (Ed) *Qualitative Research*, London: Sage .1999.
29. Boulmer, M (Eds) *Social Research Methods*. Macmillan. 1984.
30. Jahoda, M., Deutsch, M, and Cook, S.W., *Research Methods in Social Relations*. New York: Dryde 1951.
31. Junker, B. *Field Work*, Chicago: University of Chicago Press. 1960.
32. Hammersley, M. *Reading Ethnographic Research: A Critical Guide*. London: Longman. 1991
33. Pelto, P.J. and Pelto, G.H. *Anthropological Research: The Structure of Inquiry*. New York. Cambridge University Press. 1978.
34. Bernard, H.R. *Research Methods in Anthropology: Qualitative and Quantitative Approaches* (4<sup>th</sup> edition). Rawat Publication. 2008.



**M.A./M.Sc. III<sup>rd</sup> Semester**

**Course Credit: 2**

**Paper Code: ANT-M306B**

**Full Marks: 100**

**Practicals in Quantitative Data**

**(60+40)**

**Unit I:** Analysis of Quantitative field data; Preparation of master sheet, sub-sheet;  
Coding of data

**Unit II:** Quantitative tools and techniques; Scaling techniques; Field notes.

**Unit III:** Data presentation; Drawing tables; Diagrams and Case studies; Application of  
Basic Statistics.

**Unit IV:** Preparation of Dissertation / Report.

**Unit V:** Preparation of Research Papers: Abstracts, Posters Presentation / Slide.

[Note: Students are required to orient themselves in the above processes and techniques for data analysis and preparation of dissertation / report and research papers]

### Suggested Readings

1. Srivastava, V (Ed.). Methodology and Fieldwork. Oxford India Paperbacks, New Delhi.2005.
2. Srinivash, M. N. (Ed.), Methods in Social Anthropology. Hindustan Publishing Corporation, New Delhi, 1995.
3. Krishnaswami, O. R. and Ranganatham, M. Methodology of Research in Social Sciences. Himalaya Publishing House, Mumbai, 2009.
4. Kothari, C.R. Research methodology: methods and techniques. 2 ed., New Delhi: Vishwaprakashan, 1990.
5. Bryman, A. Research Methods and organisational Studies. London: Rout ledge, 1989.
6. Hardy, M. And Bryman. A (eds). Handbook of Data Analysis. London: Sage, 2004.
7. Agar, M. The professional stranger, an informal introduction to Ethnography. New York: Academic Press, 1980.
8. Srivastava, V (Ed.). Methodology and Fieldwork. Oxford India Paperbacks, New Delhi.2005.
9. Srinivash, M. N. (Ed.), Methods in Social Anthropology. Hindustan Publishing Corporation, New Delhi, 1995.
10. Krishnaswami, O. R. and Ranganatham, M. Methodology of Research in Social Sciences. Himalaya Publishing House, Mumbai, 2009.
11. Kothari, C.R. Research methodology: methods and techniques. 2 ed., New Delhi: Vishwaprakashan, 1990.



**M.A./M.Sc. IV<sup>th</sup> Semester**

**Course Credit: 4**

**Paper Code: ANT-M401**

**Full Marks: 100**

**Applied Anthropology and Tribal Development (60+40)**

- Unit I:** Applied Anthropology: Concept, Definition, Its Scope and History. Applied and Action Anthropology, Development Anthropology and Policy Perspective, Applied Physical Anthropology and Human Genetics.
- Unit II:** The concept of Tribal Development: Tribal Policy during pre-and-post Independence era; Approaches to Tribal development; Various Committees and Commissions on Tribal Development; Role of Anthropologists in Tribal Development.
- Unit III:** Constitutional Provisions and Safeguards for Scheduled Tribes, Administration of Scheduled Areas; Functioning of Tribes Advisory Council; Tribal Welfare programmes through Five Year Plans.
- Unit IV:** Tribal Sub Plan: ITDA, MADA, Cluster, DTDP and Micro project; Financial and Administrative arrangements for Tribal Development; External aided development projects, challenges & opportunities: few case studies.
- Unit V:** Barriers and Stimulants for Tribal Development; Contribution of Anthropology to Government and Development planning in India.

**Suggested Readings**

1. Aron, Raymond & Levi Strauss. Cultural Dynamics' in Approaches to the Science of Socio-economic development (ed) by Peter Lengyel.
2. Behura, N.K. and Panigrahi, N. Indian Constitution and the Tribals: Functioning of Fifth Schedule in the State of Orissa.
3. Casley, Dennis J, Krishna Kumar: The Collection, Analysis and Use of Monitoring and Evaluation Data.
4. Cassen Robert & Associate (ed). Does Aid Work?
5. Cernea, Michael M. Putting People First: Sociological Variables in Rural Development.
6. Chambers, Robert Rural Development; Putting the Last First.
7. Commission for UNESCO – Netherlands. Cultural Dimension of Development.
8. Dube, S.C. Modernization & Development: The Search for Alternative Paradigms.
9. Dube, S. C. Cultural Dimensions of Development in International Science Journal.
10. Foster, G. M. Traditional Culture and Impact of Technological Change.
11. Harris, J. (ed). Rural Development.
12. Harris, Marvin. The Rise of Anthropological Theory.
13. Mathur, Hari Mohan. The Human Dimension of Development: Perspectives from Anthropology.
14. Mathur, Hari Mohan (ed). Anthropology in the Development Process.
15. Meier, Gerald, M. Leading Issues in Economic Development.
16. Nieuwinhuijze C. A. O., Van. Culture and Development: false dilemmas and real issues in ISSJ, Vol. 18.
17. Schumacher, E. F. Small is Beautiful.
18. Skar, Harold (ed). Anthropological Contributions to Planned Change and Development.
19. Vidyarthi, L. P. (ed). Applied Anthropology in India.
20. Vidyarthi, L. P. & B. N. Shay (ed). Applied Anthropology and Development in India

**Courses Focus on Employability/Entrepreneurship/Skill Development Criteria -**

**I (1.1.3)**



<b>M.A./M.Sc. IV<sup>th</sup> Semester</b>	<b>Course Credit: 4</b>
<b>Paper Code: ANT-M403A</b>	<b>Full Marks: 100</b>
<b>Population Studies</b>	<b>(60+40)</b>

- Unit I:** Meaning, Definition and Scope of Population Studies, Theories of Population: Pre-Malthusian, Malthusian and Post-Malthusian theory, Theory of Demographic Transition, Factors contributing to Population growth, Anthropological Demography.
- Unit II:** Basic Demographic Variables, Sex Ratio, Fertility, Mortality, Migration, Morbidity; Sources of Population Data: Census, NFHS, NSS, DHS, International Year Book.
- Unit III:** Measures of Fertility, Measures of Mortality, Prenatal and Postnatal deaths, Differential Fertility, Differential Mortality, Migration and Differential Migration, Mating systems, Inbreeding and its Consequences, Intrinsic Rate of Natural Increase, Culture and Fertility, Fertility and Fecundity.
- Unit IV:** Demographic profile of India; Growth and Distribution of Tribal Population in India, Population problems with special reference to India; National Population Policy, Infant and Child Mortality in India, Maternal Mortality in India.

### Suggested Readings

1. Agarwal, S. N. India's Population Problem.
2. Arora, Gomti. Social Structure & Fertility.
3. Bhenda, Asha, A. & Kanetkar Tara. Principles of Demography.
4. Bose, Ashish. India's Urbanization 1901-2001.
5. Chand, Gyan. Population in Perspective.
6. Council for Social Development Publication. Aspects of Population Policy in India.
7. Davis-Kingsley. The Population of India and Pakistan.
8. Driver, E. R. Differential Fertility in Central India.
9. Kesarwani, Baburam. Fertility and Differential Fertility.
10. Kumarg, T. K. Vimala. Infant Mortality among the Fishermen.
11. Mahadevan, K. Fertility and Mortality.
12. Mahadevan, K. Sociology of Fertility.
13. Mitra, Ashok. India's Population Vol. I & II.
14. Sandhya, S. Socio-Economic and Cultural Correlates of Infant mortality.
15. Senapati R.N, P.K. Nayak, P.K.Das. Population profile of Orissa.
16. Sinha, V. Dynamics of Indian Population Growth.
17. Srivastava, O. Demography.
18. Donald J. Bogue. Principles of Demography.
19. John H. Relethford. Human Population Genetics.
20. Eric Abella Roth. Culture, Biology and Anthropological Demography.
21. G.A. Harrison, J.M. Tanner, D.R. Pilbeam, P.T. Baker. Human Biology.



**M.A./M.Sc. IV<sup>th</sup> Semester** **Course Credit: 2**  
**Paper Code: ANT-M404A** **Full Marks: 100**  
**Practicals in Population Studies** **(60+40)**

- Unit I:** Preparation of schedules for collection of demographic data.
- Unit II:** Preparation of flow chart and graphic presentation
- Unit III:** Compilation and presentation of data on population studies (from secondary data like Census):  
(i) Age composition (ii) Sex composition (iii) Age ratio (iv) Fertility measures  
(v) Mortality measures
- Unit IV:** Pictorial comparison of health indicators
- Unit V:** Interpretation and Preparation of Report Writing, APA Style of writing references.

### Practical Record

### Viva Voce

### Suggested Readings

1. Mahadevan, K. Fertility and Mortality.
2. Agarwal, S. N. India's Population Problem.
3. Arora, Gomti. Social Structure & Fertility.
4. Bhenda, Asha, A. & Kanetkar Tara. Principles of Demography.
5. Bose, Ashish. India's Urbanization 1901-2001.
6. Srivastava, O. Demography.
7. Chand, Gyan. Population in Perspective.
8. Sandhya, S. Socio-Economic and Cultural Correlates of Infant mortality.6. Council for Social Development Publication. Aspects of Population Policy in India.
9. Davis-Kingsley. The Population of India and Pakistan.
10. G.A. Harrison, J.M. Tanner, D.R. Pilbeam, P.T. Baker. Human Biology.8. Driver, E. R. Differential Fertility in Central India.
11. Kesarwani, Baburam. Fertility and Differential Fertility.
12. Kumarg, T. K. Vimala. Infant Mortality among the Fishermen.
13. Mahadevan, K. Sociology of Fertility.
14. Mitra, Ashok. India's Population Vol. I & II.
15. Senapati R.N, P.K. Nayak, P.K.Das. Population profile of Orissa.
16. Sinha, V. Dynamics of Indian Population Growth.
17. Donald J. Bogue. Principles of Demography.
18. John H. Relethford. Human Population Genetics.
19. Eric Abella Roth. Culture, Biology and Anthropological Demography.





**M.A./M.Sc. IV<sup>th</sup> Semester** **Course Credit: 6**

**Paper Code: ANT-M406 (A)**

**Field Work Dissertation** **Full Marks: 200**

All the students of PG (M.A./M.Sc. IV<sup>th</sup> & Integrated X<sup>th</sup> Semester) are required to undertake field work in rural/ tribal/ urban areas of Chhattisgarh state for a period of 21 days for preparation of dissertation under the guidance of teacher(s). The topic of the dissertation will be allotted by the concerned teacher (Supervisor).

Dissertation	120 marks
Seminar Presentation & Viva-Voce	80 marks