

Pt. Ravishankar Shukla University, Raipur

M.A./M.Sc. ANTHROPOLOGY

Semester – II

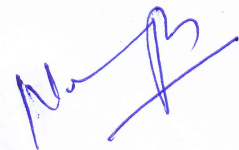
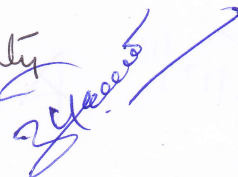
January 2018-June 2018



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M.A./M.Sc. ANTHROPOLOGY
SEMESTER-II
Paper I – Indian Archaeology

MAX. Marks- 80
MIN. Marks - 27

Important Note: Each Paper will have 40 **compulsory** questions, divisible into 4 sections.

- i) Section-A(Multi-Choice Questions): **20** questions of **1** mark each.
- ii) Section-B(Short Questions): **8** questions(two from each unit) of **2** marks each(word limit: 2-3 lines)
- iii) Section-C(Long Questions): **8** questions(two from each unit) of **3** marks each(word limit: 75words)
- iv) Section-D(Very Long Questions): **4** questions(one from each unit) of **5** marks each(word limit: 150 words)

UNIT-I

Historical development of Prehistoric Archeology.
Framework of Archaeological Cultures
Terminology Issues
Expoloration and Excavation Techniques.

UNIT-II

Lower Paleaeolithic cultures of India: Distribution, Stratigraphy, Chronology, Tool Kit, Soanian & Madrasian Traditions, Development & Associated fossils.
Middle Paleolithic Cultures of India: Distribution, Stratigraphy, Chronology, Tool Kit, Development & Associated fossils.
Upper Paleolithic Cultures of India: Distribution, Chronology, Assemblage, Art (Rock Art & Cave Art), Development

UNIT-III

Mesolithic Cultures of India: Discoveries, Chronology, Tool kit, Stratigraphy, Development, Lifeways, Burial Practices, Associated Flora and Fauna.
Neolithic Cultures of India: Neolithic Revolution, Discoveries, Chronology, Assemblage, Emergence of Human settlements, Regional Variations.

UNIT-IV

Chalcolithic Cultures of India: Distribution, Chronology, Assemblage, Traditions, Lifeways
Indus Civilization: Discoveries, Distribution, Chronology, Town-planning, Religion, Trade, Origin & Decay Theories.
Megalithic Culture of India: Distribution, Chronology, Assemblage, Types, Living Megalithic Traditions.

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Recommended Readings:

1. Agrawal, D.P. The Archeology of India.
2. Allchin and Allchin, 1982. The Rise of Civilization in India and Pakistan, Select Book Service Syndicate, New Delhi.
3. Bhattacharya, D.K. 1987. Pre-historic Archaeology: A comparative study of human succession.
4. Bhattacharya, D.K. 1994. Outline of Indian Prehistory.
5. Pandey, J. N. 2000. Puratatva Vimarsh (in Hindi)
6. Misra, V. N. & M. S. Mate 1995. Indian Prehistory; 1964.
7. Choubey, R. Puratatvik Manavvigyan (in Hindi)
8. Sankalia, H. D. 1974. Pre and Protohistory of India and Pakistan.
9. Varma, R.K. & N. Varma, 2001. Puratatva Anushilan
10. Wheeler, R.E.M. 1959. Early India & Pakistan.

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M.A./M.Sc. ANTHROPOLOGY
SEMESTER-II
Paper II - Fundamentals of Human Genetics

MAX. Marks- 80
MIN. Marks - 27

Each Paper will have 40 **compulsory** questions, divisible into 4 sections.

- i) Section-A(Multi-Choice Questions): **20** questions of 1 mark each.
- ii) Section-B(Short Questions): **8** questions(two from each unit) of **2** marks each(word limit: 2-3 lines)
- iii) Section-C(Long Questions): **8** questions(two from each unit) of **3** marks each(word limit: 75words)
- iv) Section-D(Very Long Questions): **4** questions(one from each unit) of **5** marks each(word limit: 150 words)

UNIT-I

History, Definition and Scope of Human Genetics.
Branches of Human Genetics.
Concept of Gene.
Elementary principles of Genetics.
Structure and function of DNA, RNA and Proteins.
Genetic code.

UNIT-II

Cell Division- Mitosis and Meiosis.
Mendelism. Application of Mendel's theory in man.
Methods of studying human heredity: Pedigree method, Twin method, Linkage Studies.

UNIT-III

Multiple alleles and blood groups
Inheritance of ABO, MN and Rh blood groups.
Compatible and Incompatible mating.
Concept of gene frequencies.

UNIT-IV

Autosomal Dominant and Recessive inheritance.
Sex-linked, Sex-limited and Sex-influenced inheritance.
Polygenic inheritance.

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Recommended Readings:

1. Curt Stern. 1968. Principles of Human Genetics. Eurasia Publishing House (Pvt.) Ltd., Ram Nagar, New Delhi-1 (India).
2. Winchester, A. M. 1967. Genetics, Oxford & IBH Publishing Co.
3. Bhasin, V. 1994. People, Health and Disease: The Indian Scenario, Kamla- Raj Enterprises, Delhi.
4. Bhasin, M., K., Walter, H. and Danker-Hopfe, H. 1992. The Distribution of Genetical, Morphological and behavioural Traits among the Peoples of Indian Region, Kamla- Raj Enterprises, Delhi.
5. Bhamrah and Chaturvedi, A Text Book of Genetics.
6. Mange and Mange, Basic Human Genetics.
7. Rothwell, N.V., Human Genetics.
8. Harrison et al. Human Biology.
9. Ashley Montagu, Concept of Race.
10. Shukla, B.R.K. & Rastogi, S., Physical Anthropology and human Genetics.
11. Dalela and Verma, T Text Book of Genetics.
12. Bodmer & Cavalli Sforza, Genetics, Evolution and Man.
13. King and Stansfield, A Dictionary of Genetics.
14. Brudette, W.J., Methodology in Human Genetics.
15. Yunis, J.J. (Ed.), Biochemical Methods in Red Cell Genetics.
16. Harris, H., Human Biochemical Genetics.

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M.A./M.Sc. ANTHROPOLOGY
SEMESTER-II
Paper III - Medical Anthropology

MAX. Marks- 80
MIN.Marks - 27

Each Paper will have 40 **compulsory** questions, divisible into 4 sections.

- i) Section-A(Multi-Choice Questions): **20** questions of **1** mark each.
- ii) Section-B(Short Questions): **8** questions(two from each unit) of **2** marks each(word limit: 2-3 lines)
- iii) Section-C(Long Questions): **8** questions(two from each unit) of **3** marks each(word limit: 75words)
- iv) Section-D(Very Long Questions): **4** questions(one from each unit) of **5** marks each(word limit: 150 words)

UNIT – I

Meaning and scope, changing concepts of health and disease, culture and lifestyle in relation to health and disease

Ethno medicine, magico-religious practices, indigenous medical systems and medical practitioner ethnobotany

Ethnopharmacology,

Ethnobiology,

Ethnography of tribal medical system with special reference to tribes of central India

Ressurgence of traditional medical systems in the west and India

UNIT- II

Epidemiology basic principles: epidemiology of common communicable and non communicable diseases, Malaria,

T.B., Leprosy, STD, Diabeties, Cancer and Cardiovascular diseases, mental health, National disease control programmes)

Plural systems of medicine traditional system as part of culture and life style Ayurved,

Unani Naturopathy. Tibetan,

Chinese basic principles,

UNIT –III

Medical statistics measurement of morbidity and mortality rates incidence and other statistics.

Health promotion and health programmes, nutrition, RCH , family welfare, health education ageing (Peoples perspectives

to be focused)

Health and environmental water pollution, air pollution, noise pollution.

International health: WHO,UNICEF,USAID, Food Foundation etc.

UNIT –IV

National health policy, historical review, Health care delivery in india rural and urban, Response of the people.

Voluntary efforts in community health and development. Some case studies of community participation.

Anthropological approaches to health system research

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Uses of anthropological research method in health system research

Evaluation of health system research through judicious mix of qualitative and quantitative research metho

Recommended Readings:

1. Medical Anthropology: Foster, George
2. Handbook of Medical Anthropology: Freeman, H.E. et al
3. Culture, Disease and Healing: Landy, D.
4. Culture, Health and Illness: Helman Cecil, Wright Bristol, 1985
5. Folk illness and Ethnomedicine: Banerjee B.G. and R. Jalota
6. Applied Anthropology in Medicine: Coudil, W.
7. Social Anthropology and Medicine: Loudon, J.B. (ASA Monograph)
8. Doctors and Society: Madan T.N.
9. Forensic Anthropology: Steward T.D.
10. Crime and Detection: Symans, J.
11. Methods in Forensic Anthropology: Nicoles
12. Forensic Science and laboratory: Turner
13. Practical Finger printing: Bridges
14. Finger, Palm and Sole Prints: Chatterjee
15. Methods in Forensic Science: Lundquist, F. and A.S. Curry
16. Modern Trends in Forensic Medicine: Ment
17. Anthropology Part-I: Jha and Baranwal
18. Harold Cummins and Charles Midlo. 1961. Finger Prints, Palms and Soles: An Intoduction to Dermatoglyphics, Dover Publications, New York.
19. Medicine, Magic and Religion, Rivers, W.H.R.
20. The Cultural Frontiers of Health, Hasan, K.
21. Traditional Medicine and Health Care Coverage (WHO), Bannermann et al.
22. Folk and Modern Medicine, Kakar, D.N.
23. Asian Medical System, Leslie, C. (Ed.).
24. People"s Health in People"s Hand, Anti, A.H. & Bhatia
25. Women"s Autonomy, Education and Reproductive Health, Jajeebhoy, S.
26. Ministry of Health and Family Welfare, National Health Policy
27. W.H.O., World Health Reports.
28. National Institute of Health & Family Welfare, Maternal and Child Welfare
29. Health, Culture and Community, Paul, B.D.
30. Cultural Patterns and Technological Change, Mead, M.
31. Culture, Health and Disease, Read, M.
32. Dash, J., Patra, P.K. and Sathpathy, K.C. Dimensions of Healthcare practices, SSDN Publishers, New Delhi.

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M.A./M.Sc. ANTHROPOLOGY
SEMESTER-II

Paper IV - Biostatistics and Computer Applications

MAX. Marks- 80

MIN.Marks - 27

Important Note: Each Paper will have 40 **compulsory** questions, divisible into 4 sections.

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- iv) Section-D(Very Long Questions): **4** questions(one from each unit) of **5** marks each(word limit: 150 words)

UNIT-I

Measures of Dispersion: Range, Variance, Standard Deviation, Standard Errors, Skewness and Kurtosis.

Correlation: Simple correlation, Grouped and ungrouped data, Karl Pearson's Coefficient of Correlation.

UNIT-II

Test of Significance: Non- parametric Tests: Chi-square Test, Goodness of fit.

Parametric Test: t-test. Z-test.

Regression analysis.

UNIT-III

Population Study: Vital Statistics, Fertility and Fertility rates, Mortality and Mortality rates, Infant Mortality and Infant Mortality rates. Morbidity and Morbidity rates and Migration and Migration rates.

UNIT-IV

Introduction to Computer: History, Types of Computers, Computer hardware and software.

Windows: Features

MS Office: Word, Excel, Power Point,

Internet

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Recommended Readings:

1. Gupta, S.P., Statistical Methods.
2. Sarin, S.S. and Balchandani, M.K., Fundamentals of Statistics. Ratan Prakashan Mandir, Agra.
3. Summar, M., Computers: Concepts and Uses.
4. Wardlaw, A.C., Practical Statistics for experimental biologists.
5. Zar, J.H., Biostatistical Analysis.
6. Elhance, D. N., Practical Problems in Statistics, Kitab Mahal, Allahabad.
7. Sarin, S.S. and Balchandani, M.K., Fundamentals of Statistics. Ratan Prakashan Mandir, Agra.
8. Fernandes & Tondon, Participatory Research.
9. Fisher, Michael., Application in Computing for Social Anthropologists, London, Routledge.
10. H. Russel. Bernard, Handbook of Methods in Cultural Anthropology, Altamira Press.
11. Kaplan, Abraham, The Conduct of Enquiry: Methodology for Behavioural Sciences.
12. Madrigal, Lorena, Statistics for Anthropology.
13. Pradhan, Ashok, Janjatiya Janankiki

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M.A./M.Sc. ANTHROPOLOGY
SEMESTER-II
Lab Course I – Practicals in Archaeology

MAX. Marks- 80
MIN. Marks - 27

- 1) Tools: Typology, Functions & Technology.
- 2) Sketching and description of representative Prehistoric tools:
 - (a) Stone tools
 - (b) Bone tools
 - (c) Pottery
- 3) Site Types: Kill sites, Habitation sites, Industry sites, Quarry sites, Burial sites.
- 4) Visit to Museum, Excavation Site.
- 5) Conservation & Preservation of Antiquities.

Recommended Readings:

1. Mitra, Mitashree & Ramesh Choubey. Prayogik Manavvigyan (in Hindi).
2. Oakley, K.P. 1972. Man the Tool Maker.
3. Reddy, Rami. Tool techniques in Prehistory.
4. Sankalia, H. D. 1964. Stone age tools: Their techniques, names & probable functions.

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M.A./M.Sc. ANTHROPOLOGY
SEMESTER-II
Lab. Course II- Compulsory Fieldwork

MAX. Marks- 80
MIN. Marks - 27

The course is designed to make the student carry out field work in the planning of project proposal, data collection, data analysis and report writing under the guidance of teacher assigned by the Head of the department using conventional and scientific methods at various stages of the field dissertation. The course aims at capacity building of the student in taking up independent research programmes. The students are required to work with the community for a period of 7-10 days in the village.

1. Field work tradition in anthropology.
2. Preparation for fieldwork: physical, psychological and academic.
3. Rapport building - initial contact.
4. Review of data collection methods (as per Research method).

Two typed copies of analyzed data is to be submitted in the department in the form of a Field work Report

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