



**SYLLABUS  
OF  
ENTRANCE EXAM  
For  
Ph.D. in ANTHROPOLOGY**

**UNDER**

**FACULTY OF LIFE SCIENCE**

*Time: 3.00 hrs*

*Maximum Marks: 100*

*(Multiple choice questions 30X2 = 60 Marks  
Short answer type questions 08X05 = 40 Marks)*

**I.**

- Field work tradition in Anthropology: Covering all branches of Anthropology to gain holistic perspective.
- Social research and Social survey.
- Hypothesis: Sources, characteristics, importance and types of hypothesis.
- Methods: Logical, Historical, Comparative, Philosophical and Scientific method.
- Ethnographic method.
- Types of Research, Qualitative and Quantitative Research.
- Inductive and Deductive approaches to research.
- Research Design: Review of literature, aims & objectives, hypotheses, research questions, conceptual model, types of research design, evaluation research.
- Techniques of data collection- Primary data collection: Observation, Questionnaire, Interview, Schedule, Case study, Audio-visual recording, Geneology.
- Grounded Theory, Exploration and Excavation, Introduction to GIS.
- Secondary Data collection: Census, National Sample Survey, Models and Paradigms.
- Data collection: Choice of Suitable Technique.

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Page 1 of 11

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- Participatory Methods: Rapid Rural Appraisal (RRA), Participatory Rural Appraisal (PRA), Rapid Participatory Appraisal (RPA), Focus Group.
- Data: Definition and characteristics.
- Types of Data: Geographical, Chronological, Qualitative and Quantitative, Nominal, Ordinal, Ratio and Interval.
- Sources of Data: Primary and Secondary sources.
- Tabulation: General, Special purpose & Machine tabulation.
- Techniques of Analysis : Content analysis, Discourse analysis and Narratives.
- Analysis and Interpretation of data.
- Preparation of report, Dissertation and Scientific papers.
- Graphic and Diagrammatic presentation of data.
- Scope, utility and importance of statistics in Anthropology.
- Sampling: Types of Random and Non random sampling
- Measures of Central Tendency- Mean, Mode, Median & dispersion.
- Variables: Univariate, Bivariate and Multivariate analysis.
- Scaling techniques.
- Correlation: Simple correlation, Grouped and ungrouped data, Karl Pearson's Coefficient of Correlation.
- Parametric and non parametric test.
- Regression analysis: Linear regression and logistic regression
- Mortality and Mortality rates: Infant Mortality and Infant Mortality rates & Maternal Mortality.

## II.

- Meaning and Scope of Anthropology.
- Theory of Culture: attributes of Culture, culture traits, culture complex, culture area, integration of culture, paradoxes of culture.
- Marriage: Theory of Origin of Marriage : Meaning & Definition. Typology, Mate selection, Cross-cousin, Sororate, Dowry and bride price.
- Moiety and Phratry.
- Stages of Economy: collection, hunting, fishing, pastoralism, Cultivation (Shifting cultivation and Settled Subsistence)
- Systems of trade-exchange: Reciprocity, Redistribution, barter and markets.
- Types of political organization: Band, Tribe, State, Kingship and chiefdom.
- Anthropological approaches to the study of religion: Evolutionary, Psychological and Functional.
- Magico-religious functionaries: Shaman and Shamanism, Priest, Medicine man, Sorcerer, witch.
- Art and Aesthetics: Forms of music, dance forms, musical instruments.
- Human Language: Origin and evolution of human language.

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- Meaning and scope of Medical Anthropology
- Ethno-botany
- Ethno-pharmacology.
- Ethno-biology.
- Epidemiology basic principles Types of Epidemiology; Epidemiology of common communicable and non-communicable diseases- 1. Malaria 2. T.B. 3. Leprosy 4. STD 5. Diabetes, 6. HIV/AIDS 7. Cancer 8. Cardiovascular diseases.
- Mental health,
- International Health: WHO, UNICEF, USAID, Food Foundation etc.
- National health policy: Historical Review.
- Anthropological approach to health systems research, use of an anthropological research method in health system research.
- Meaning and Scope of Applied Biological Anthropology.
- Anthropology of Sports
- Designing of defense equipments.
- Defense Services.
- Applications of Human Genetics: Medico - Legal cases, Eugenics.
- Genetic screening, Genetic counseling, Genetic engineering.
- Human Genomics & its applications.
- Meaning & Scope of Applied Social Anthropology.
- Applied & Action anthropology.
- Applications of Anthropological theory and methodology in the field of tribal development.
- History of Anthropology Thought.
- Pioneers in Anthropology.
- Evolutionism : Spencer, Morgan, Tylor, Jamer Frazer.
- Neo-evolutionism : Leslie White, Julian Steward, Sahlin
- Diffusionism: Perry, Elliot Smith, Graebner, Freidrich Ratzel.
- Historical Particularism : Boas, Wissler, Kroebar.
- Functional: B. Malinowski, Merton.
- Structural-Functionalism: Radcliffe-Brown, Evans-Pritchard, Mayer Fortes, Raymond Firth, Nadel.
- Structuralism: Levi Strauss, Leach.
- Psychological Anthropology : Culture and Personality Studies : Kardiner, Linton, Ruth Benedict, Cora-du-Bois, Margaret Mead, Spiro, Mary Douglas, A. Kleinman, AFC Wallace, Stephen Taylor.
- Philosophical anthropology: Concept of Value, Cultural Relativism, Value and human rights : Herskovits.
- Historical and Dialectical Materialism: Hegel, Marx and Engels.
- Symbolic and Interpretative Anthropology: Turner, Schneider, Geertz.
- Post-Modernism: Marcus, Fischer, Jean Baudrillard, Michel Foucault, Jacques Derrida.
- Marilyn Strathern, Zora Neale Huison.
- "Primitive" as a conceptual model in Anthropological research.
- Emic-Etic paradigms.
- Synchronic- Diachronic paradigms.

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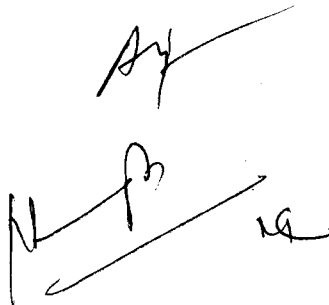
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- Ethnographic method for policy planning and intervention.
- Synthesizing micro and macro paradigms, Inductive and deductive approaches.
- Dilemma of “We” and “They” in research.
- Social Structure: Caste System: Definition and criteria of caste system, Varna and caste, caste among non-Hindus, caste outside India, dominant caste, caste-mobility-fussion, lack of fusion and fission. Backward castes and scheduled castes: statutory provisions. caste and tribe, caste in democracy.
- Indian village: a myth or reality, village a part society. Important of village studies. Jajmani system, Impact of new technology and urbanization changing agrarian social structure, peasant movements.
- Growth of anthropology in India: contributions of the following anthropologists: scholar administrators in 19th and 20th century in the understanding of tribal, caste and village communities and Indian social structure and civilization, List in illustrative: 1 J.H.Hutton 2. Mortimer Wheeler 3. Jhon Grierson 4. A.L.Basham 5. Haimendorf 6. V.Elwin 7 Milton Singer 8 S.C.Poy 9. G.S.Ghurye 10. L.A.K.Aiyer 11 N.K. Bose 12. D.N. Majumdar 13. L.Karve 14. M.N. Srinivas 15. S.C.Dube 16. L.P. Vidyarathi 17. Mckim Marriott & 18. Robert Redfield
- Definition of tribe and scheduled Tribe. Distribution of scheduled Tribes. Demographic trends. Classification and characteristics of tribal regions. Racial and linguistic classification of Scheduled Tribes. Social structure. Tribal Economy (Stages of economy). Tribal religions.
- Tribal Policy: Tribal Policy, Panchsheel Neeti of Tribal Policy Regulatory and development measures during British India. Indian Constitutions –safeguards and provisions for Scheduled Tribes: socio-cultural, economic, education, political services, etc. History of regulatory and developmental measures in pre-Independence period. Administration of Scheduled Areas (Fifth Schedule to the Constitution), Tribal Areas (Sixth Scheduled to the Constitution) and tribal majority States. Important Regulations promulgated by Governors in Scheduled Areas.
- PESA: 73<sup>rd</sup> Amendment.
- Tribal's Contributions on Freedom Movement ; Religious movement; Political movements.
- Planning and Development: Scheduled Tribes in Five Year Plans; Tribal development through SMPT Blocks, TD Blocks and Tribals Sub-plans; Voluntary efforts and role of tribal leadership. Resources-rich regions and resources-depleted regions. Poverty alleviation programmes. Dispersed tribals. Primitive groups. Oceanic communities.

### III.

- History, Definition, Meaning and Scope of Physical Anthropology.
- Theories of Organic Evolution: Lamarckism, Darwinism, Synthetic Theory, Neutral Theory of molecular evolution, concept of clad genesis and anagenesis.

- Comparative anatomy of Man and Apes.
- Erect posture and Bipedalism.
- Concept of Race
- Criteria of Racial classification- Skin, Hair and eye colour, Stature, Eyes , Lips and Ears, Face and Lower Jaw, Blood Groups, Dermatoglyphics.
- Racial classification of Indian Population –Risley, Guha. & S. S. Sarkar
- 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.
- Cell Division- Mitosis and Meiosis.
- Mendelism. Application of Mendel's theory in man.
- Methods of studying human heredity: Pedigree method, Twin method, Linkage Studies.
- Multiple alleles and blood groups
- Inheritance of ABO, MN and Rh blood groups.
- Compatible and Incompatible mating.
- Concept of gene frequencies.
- Autosomal Dominant and Recessive inheritance.
- Sex-linked, Sex-limited and Sex-influenced inheritance.
- Polygenic inheritance.
- Human growth and Development: Pre-natal and Post-natal growth, infancy, Childhood, adolescence, adulthood, senility.
- Factors affecting human growth: Heredity, Environment , Hormone and Nutrition.
- Nutrition: Basic terms and concepts.
- Evaluation of nutritional status through Anthropometric and Clinical signs of malnutrition.
- Growth Programmes: ANP, ICDS, SNP, Mid-Day meal programme; Vitamin-A prophylaxis programme, Anemiaphylaxis Programme, Goiter control programme, Nutritional deficiency diseases: Nicotinic acid deficiency, Vitamin-C, Vitamin-D deficiency.
- Problem of Malnutrition.
- Definition and scope of Molecular Genetics.
- DNA organization in chromosomes: DNA structure, DNA replications.
- RNA structure.
- DNA Polymorphism DNA mutation and repair, Repetitive DNA.
- Human genome project.


#### IV.

- Introduction: Definition. Subject matter, Branches, Aims and Applications of Prehistoric Archaeology.
- Framework of Archaeological Cultures.
- Dating Techniques:
- Relative Dating: Stratigraphy, River Terraces, Raised Sea-Beaches, Typo-technology, Fluorine Dating, Pollen Dating.
- Absolute dating: Radio-active Carbon, Potassium-Argon, Uranium- Thorium, Dendrochronology, Thermoluminescence, Fission-Track & Obsidian Hydration.
- Lower Palaeolithic of Europe: Distribution, Chronology, Stratigraphy, Assemblage, Abbevillian, Acheulian, Associated Human Fossils .
- Mesolithic Culture of Europe: Azilian, Tardenoisean, Austerian, Maglamosan, Kitchen Midden, Campegnian.
- Australopithecus Species: Discoveries, Distribution, Chronology, Salient features, Phylogeny.
- Homo sapiens sapiens (Cro-Magnon, Chancelade, Grimaldi): Discoveries, Distribution, Chronology, Salient features, Phylogeny.
- Historical development of Prehistoric Archeology.
- Exploration and Excavation Techniques.
- Lower Paleolithic 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
- 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.
- 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.



### Recommended Readings:

1. Goode & Hatt. Methods in Social Research.
2. Young, P. V. Scientific Social Surveys and Research.
3. Danda, Ajit. Research Methodology in Anthropology, Inter- India, New Delhi.
4. Gupta, S. P. Statistics Methods.
5. Elhance, D. N. Practical Problems in Statistics, Kitab Mahal, Allahabad.
6. Levin, J. Elementary Statistics in Social Research.
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. Kassam & Mustafa. Participatory Research.
13. Madrigal, Lorena. Statistics for Anthropology.
14. Mukherjee, Neela. Participatory Rural Appraisal and Questionnaire Survey.
15. Pelto P.S. & Pelto G.H. Anthropological Research: the structure of inquiry. London, Cambridge University Press.
16. Renfrew, C. (ed.). The Explanation of Culture Change: Models in Prehistory. Duckworth.
17. Sankalia, H.D. Stone Age Tools, Families and Techniques, Pune, Deccan College.
18. Triger, B.G. Beyond History the Methods of Prehistory. Holt, Rinehard and Winston.
19. Young, Pauline. Scientific Social Survey and Research.

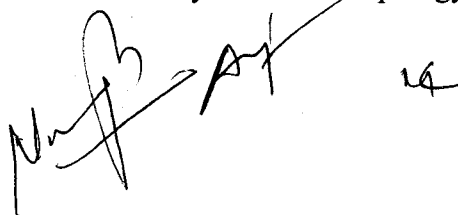
1. Gupta, S.P., Statistical Methods.
2. Sarin, S.S. and Balchandani, M.K., Fundamentals of Statistics. Ratan Prakashan Mandir, Agra.
3. Summar, M., Computers: Concepts and Uses.
4. Wardlaw, A.C. ,Practical Statisticals for experimental biologists.
5. Zar, J.H., Biostatistical Analysis.
6. Elhance, D. N., Practical Problems in Statistics, Kitab Mahal, Allahabad.
7. Sarin, S.S. and Balchandani, M.K. ,Fundamentals of Statistics. Ratan Prakashan Mandir, Agra.
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11. Kaplan, Abraham, The Conduct of Enquiry: Methodology for Behavioural Sciences.
12. Madrigal, Lorena, Statistics for Anthropology.
13. Pradhan, Ashok, Janjatiya Janankiki

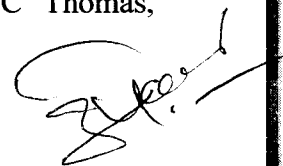
## Recommended Readings:

1. Barnouw, V. 1979. Anthropology: A General Introduction, The Dorsey Press, Illinois.
2. Holmes, L. D. Anthropology: An Introduction, The Ronald Press Company, New York.
3. Sharma and Sharma. 1997. Anthropology, Atlantic Publishers and Distributors, New Delhi.
4. Hunter & Whitten. The Study of Cultural Anthropology, Harper & Row Publishers, New York.
5. Moore, A. 1978. Cultural Anthropology, Harper & Row Publishers, New York.
6. Kaplan, D. & Manners, R. A. Culture Theory, Prentice Hall of India Private Ltd., New Delhi.
7. Herskovitz, M. J. Cultural Anthropology, Oxford & IBH Publishing Co., New Delhi.
8. Mair, L. 1965. An Introduction to Social Anthropology, Clarendon Press, Oxford.
9. Majumdar, D.N. & Madan, T. 1986. An Introduction to Social Anthropology, National Publishing House, New Delhi.
10. Mishra, U. S. Samajik Sanskritik Manavshastra, Palka Prakashan, Delhi.
11. Shrivastava, A. R. N. Samajik Manav Vigyan Vivechan (in Hindi), Madhya Pradesh Hindi Granth Academy, Bhopal.
12. Evans-Pritchard, Social Anthropology.
13. Honnigmann, J. Handbook of Social and Cultural Anthropology.
14. Fox, Robin. Kinship and Marriage.
15. Sahlins & Service. Evolution and Culture. The University of Michigan Press, Ann Arbor.
16. Barth, F. Ethnic Group and Boundaries.
17. Barnet, H.G. Innovation. The Basis of Culture Change.
18. Rogers E.M. & Schmacher, F.F. Communication of Innovation.
19. Rogers, E.M. Diffusion of Innovation.
20. Rad-cliffe Brown, A.R. Structure and Function in Primitive Society.
21. Harris, Marvin. Cultural Anthropology.
22. Malinowsky, B.K. Scientific Theory of Culture and Other Essay.
23. Foster, G.M. Tradition, Cultures and Impact of Technological Change.
24. Dalton, George. Tribal and Peasant Economics: Readings in Economic Anthropology.
25. Kluckhohn, C. Mirror for Man.
26. Herskovits, M.J. Man and His Works.
27. Ember and Ember, Anthropology
28. Nas, Manning. Primitive and Peasant Economic Systems
29. Bohannan, Paul. Social Anthropology
30. Jacob, Awsrem. General Anthropology
31. Levi Strauss, Elements of Kinship
32. Schumacher, E.F. Small is Beautiful



33. Evans- Pritchrd, E.E. Primitive Religion
34. Norbeck. Primitive Religion
35. Lowie, R.H. Primitive Social Organization
36. Lowie, R.H. Social Organization
37. Medical Anthropology: Foster, George
38. Handbook of Medical Anthropology: Freeman, H.E. et al
39. Culture, Disease and Healing: Landy, D.
40. Culture, Health and Illness: Helman Cecil, Wright Bristol, 1985
41. Kroeber. Anthropology Today.
42. Curt Stern. 1968. Principles of Human Genetics. Eurasia Publishing House (Pvt.) Ltd., Ram Nagar, New Delhi-1(India).
43. Steine. Biosocial Genetics.
44. Karp, E. Genetic Engineering.
45. Bodmer and Cavalli-Sforza. Genetics of Human Populations.
46. Jha, M. Manavshastriya vichardhara- Ek Paichaya. (in Hindi).
47. Shrivastava, A.R.N. Sanskritik Manav vigyan – Siddhanta aur Uplabdhiyan ((in Hindi).
48. Harskovitz, M.J. Sanskriti ki pristhabhumi (in Hindi).
49. Muthal, S. Samajik Manav Vigyan- Saidthantik Vyavahar (in Hindi).
50. Harris, M. Rise of Anthropological Theory. Routlege and Kegan Paul, London.
51. Malinowski, B. Scientific theory of culture and other essays.
52. Evans-Pritchard. A History of Anthropological Thought.
53. Bidney, David, Theoretical Anthropology. New York, Colombia University press.
54. Erickson, Paul, Anthropological Lives: Biographies of Eminent Anthropologists, New Delhi, Reliance. Chaudhary, Bhudadeb (Ed.). Tribal Development in India.
55. Elwin,V.A. Philosophy for NEFA.
56. Haimendorf. The Tribes of India: Struggle for survival.
57. Shara B.D. Basic Issues in tribal Development.
58. Comas, J. 1960. Manual of Physical Anthropology, Springfield, Charles C. Thomas.
59. Sarkar, R. M. 1976. Fundamentals of Physical Anthropology. Blackie (India).
60. Das, B. M. 1985. Outlines of Physical Anthropology, Kitab Mahal, New Delhi.
61. Shrivastav, A. R. N. 1994. Sharirik Manav Vigyan (in Hindi), Gyandeep Prakashan, Allahabad.
62. Barnouw, V. 1979. Anthropology: A General Introduction, The Dorsey Press, Illinois.
63. Hooton, E. A. Up from the Ape, The Macmillan Co., New York.
64. Lasker, G.B. and Tyzzer, R.N. Physical Anthropology, Holt Rinechart & Winston, New York.
65. Shukla, B.R.K. and Rastogi, S. Physical Anthropology and Human Genetics: An Introduction, Palka Prakashan, Delhi.
66. Buettner-Janusch, J. Origins of Man, Wiley Eastern Pvt. Ltd. New Delhi.
67. Montagu, M.F.A. The Concept of Race, The Free Press, New York.
68. Montagu, M.F.A. An Introduction to Physical Anthropology, Charles C Thomas, Springfield
69. Illinois.



70. Harrison, G.A., Weiner, J.S., Tanner, J.M. and Barnicot, N.A. Human Biology: An Introduction to Human Evolution, Variation And Growth, Clarendon Press, Oxford.
71. Ashley, Montague. Concept of Race.
72. Backer, P.T. & Weiner (eds.). Biology of Human Adaptability.
73. M. Ember and Ember. Anthropology.
74. Harrison, G.A. and Boyce, J. The Structure of Human Population.
75. Sarkar S.S. Aboriginal races of India.
76. Sahlins and Service. Evolution and Culture.
77. Simpson, G.G. The Meaning of Evolution.
78. Williams B.J. Evolution and Human Origin
79. Comas, J. 1960. Manual of Physical Anthropology, Springfield, Charles C. Thomas.
80. Sarkar, R. M. 1976. Fundamentals of Physical Anthropology. Blackie (India).
81. Das, B. M. 1985. Outlines of Physical Anthropology, Kitab Mahal, New Delhi.
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99. Curt Stern. 1968. Principles of Human Genetics. Eurasia Publishing House (Pvt.) Ltd., Ram Nagar, New Delhi-1 (India).
100. Winchester, A. M. 1967. Genetics, Oxford & IBH Publishing Co.
101. Bhasin, V. 1994. People, Health and Disease: The Indian Scenario, Kamla- Raj Enterprises, Delhi.

102. Bhasin, M., K., Walter, H. and Danker-Hopfe, H. 1992. The Distribution of Genetical, Morphological and behavioural
103. Traits among the Peoples of Indian Region, Kamla- Raj Enterprises, Delhi.
104. Bhamrah and Chaturvedi, A Text Book of Genetics.
105. Mange and Mange, Basic Human Genetics.
106. Rothwell, N.V., Human Genetics.
107. Harrison et al. Human Biology.
108. Ashley Montagu, Concept of Race.
109. Shukla, B.R.K. & Rastogi, S., Physical Anthropology and human Genetics.
110. Dalela and Verma, T Text Book of Genetics.
111. Bodmer & Cavalli Sforza, Genetics, Evolution and Man.
112. King and Stansfield, A Dictionary of Genetics.
113. Brudette, W.J., Methodology in Human Genetics.
114. Yunis, J.J. (Ed.), Biochemical Methods in Red Cell Genetics.
115. Harris, H., Human Biochemical Genetics.
116. Tanner, J. M. 1962. Growth at Adolescence, Blackwell Scientific Publications, Oxford.
117. Lowrey, G. H. 1978. Growth & development of children, Year book Medical Publishers, Chicago – London.
118. Agrawal, D.P. The Archeology of India.
119. Allchin and Allchin, 1982. The Rise of Civilization in India and Pakistan, Select Book Service
120. Syndicate, New Delhi.
121. Bhattacharya, D.K. 1987. Pre-historic Archaeology: A comparative study of human succession.
122. Bhattacharya, D.K. 1994. Outline of Indian Prehistory.
123. Pandey, J. N. 2000. Puratatva Vimarsh (in Hindi)
124. Misra, V. N. & M. S. Mate 1995. Indian Prehistory; 1964.
125. Choubey, R. Puratatvik Manavvigyan (in Hindi)
126. Sankalia, H. D. 1974. Pre and Protohistory of India and Pakistan.
127. Varma, R.K. & N. Varma, 2001. Puratatva Anushilan
128. Wheeler, R.E.M. 1959. Early India & Pakistan.

