

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)

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- 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.
- Fechniques 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,

Page 1 of 1

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30 1 - Days

3/45/6/2006

- * 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.

Meaning and Scope of Anthropology.

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- 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, barters 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.

Page 2 of 11

- 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-evolutionlism: Les lie White, Julian Steward, Sahlin
- * Diffusionism: Perry, Elliot Smith, Graebner, Freidrich Ratzel.
- * Historicl 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 Bauidrilard, Michel Foucault, Jacques Derrida.
- Marilyn Strathern, Zora Neale Hutson.
- "Primitive" as a conceptual model in Anthropological research.
- Emic-Etic paradigms.

Synchronic- Diachronic paradigms

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Page 3 of 11

- Ethnographic method for policy planning and intervention.
- Synthesizing micro and macro paradigms, Inductive and deductive approaches.
- Dilemma of "We" and "Γhey" 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 dedemocracy.
- 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.Roy 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-cuitural, 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: 73rd 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.



· 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.

Page 4 of 1

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- Comparative anatomy of Man and Apes.
- * Frect 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 frequer cies.
- 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, Harmone 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, Anemiaprophylaxis 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 Poymorphism DNA mutation and repair, Repetitive DNA.

Human genome project.

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Page 5 of 11



- 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 Palaeolothic of Europe: Distribution, Chronology, Stratigraphy, Assemblage, Abbevillian, Acheulian, Associated Human Fossils.
- Mesolithic Culture of Europe: Azilian, Tardenoisean, Austerian, Maglamosean, 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.
- Expoloration and Excavation Techniques.
- 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
- 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.

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Page 6 of 11



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- Young, P. V. Scientific Social Surveys and Research.
- Danda, Ajit. Research Methodology in Anthropology, Inter- India, New Delhi.
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Pradhan, Ashok, Janjatiya Janankik

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Dage 7 of 11



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- Rad-cliffe Brown, A.R. Structure and Function in Primitive Society.
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- Foster, G.M. Tradition, Cultures and Impact of Technological Change.
- 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, Awsrern. General Anthropology
- Levi Strauss, Elements of Kinship
- 32. Schumachr, E.F. Small is Beautiful

14

Page 8 of 11

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- 36 Lowie, R.H. Social Organization
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Page 9 of 11

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Page 10 of 11

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Page 11 of 11