

**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)*

**1. RESEARCH METHODS IN ANTHROPOLOGY**

- 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.
- 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.

## 2. BIostatistics AND COMPUTER APPLICATIONS

- Measures of Dispersion: Dispersion, Range, Variance, Standard Deviation, Standard Errors, Skewness and Kurtosis.
- Correlation: Simple correlation, Grouped and ungrouped data, Karl Pearson's Coefficient of Correlation.
- Parametric and non parametric test.
- Test of Significance: Non- parametric Tests: Chi-square Test, Goodness of fit.
- Parametric Test: t-test. Z-test.
- Regression analysis: Linear regression and logistic regression
- Bivariate and multivariate Analysis
- Population Study: Vital Statistics.
- Fertility and Fertility rates.
- Mortality and Mortality rates: Infant Mortality and Infant Mortality rates & Maternal Mortality.
- Factors affecting Fertility and Mortality.
- Morbidity and Morbidity rates.
- Migration and Migration rates.
- Introduction to Computer: History & Types of Computers.
- Computer hardware and software.
- Operating System : Windows.
- MS Office: 1. MS-Word 2. MS-Excel 3. MS-Power Point
- Internet: Use of Internet in Anthropological Research, epg Pathshala, N-List.
- Anti virus.
- Data Analysis Softwares: SPSS 16.0, MS-Excel.
- Referencing Softwares : Mandeley.

Handwritten signatures and initials in black ink, including a large 'A' and a signature that appears to be 'Mandeley'.

### 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 Tolls, 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.
  
14. Gupta, S.P., Statistical Methods.
15. Sarin, S.S. and Balchandani, M.K., Fundamentals of Statistics. Ratan Prakashan Mandir, Agra.
16. Summar, M., Computers: Concepts and Uses.
17. Wardlaw, A.C. ,Practical Statisticals for experimental biologists.
18. Zar, J.H., Biostatistical Analysis.
19. Elhance, D. N., Practical Problems in Statistics, Kitab Mahal, Allahabad.
20. Sarin, S.S. and Balchandani, M.K. ,Fundamentals of Statistics. Ratan Prakashan Mandir, Agra.
21. Fernandes & Tondon, Participatory Research.
22. Fisher, Michael. ,Application in Computing for Social Anthropologists, London, Routledge.
23. H. Russel. Bernard, Handbook of Methods in Cultural Anthropology, Altamira Press.
24. Kaplan, Abraham, The Conduct of Enquiry: Methodology for Behavioural Sciences.
25. Madrigal, Lorena, Statistics for Anthropology.
26. Pradhan, Ashok, Janjatiya Janankiki