

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Doctor of Philosophy (Ph.D.) Programme in Library and Information Science - Syllabus

Paper 1 - Research Methodology

Unit 1. Research

- ❖ Concept, meaning, need and process of research
- ❖ Types of research, fundamental, applied, Inter-disciplinary and multi-disciplinary approach

Unit 2. Research Design

- ❖ Conceptualization
- ❖ Types of research design
- ❖ Identification and formulation of problem
- ❖ Hypothesis: formulation and testing
- ❖ Literature search: print, non-print, electronic sources

Unit 3. Research Methods

- ❖ Scientific method
- ❖ Historical method
- ❖ Descriptive method
- ❖ Survey method
- ❖ Case Study method
- ❖ Experimental method
- ❖ Delphi method
- ❖ Brainstorming method

Unit 4. Research Techniques and Tools

- ❖ Questionnaire
- ❖ Schedule
- ❖ Interview
- ❖ Observation
- ❖ Scales and check lists
- ❖ Sampling techniques

Unit 5. Data Analysis, Interpretation, and Report Writing

- ❖ Tabulation and generalization
- ❖ Inferential statistics, T-test, Correlations, Analysis of variance, Chi Square Test, Frequency distribution
- ❖ Graphical presentation of data, bar diagram, graphs, histograms
- ❖ Structure of research report
- ❖ Style manual in general-MLA and APA style manuals in detail
- ❖ Current Trends in Library and Information Science Research

Ph.D. COURSE WORK EXAMINATION

Library and Information Science

Paper I – RESEARCH METHODOLOGY

Time: Three Hours

Maximum: 70 Marks

I. Write short notes on any *eight* of the following

1. Research design
2. Software packages for data analysis
3. Interview method
4. Style manuals
5. Applied and action research
6. Online surveys
7. Correlation co-efficient
8. Literature Search
9. Mean, Median, Mode
10. Hypothesis testing
11. Types of interviews
12. Stratified sampling

(8×5=40 marks)

II. Answer any *two* of the following:-

1. What is sampling techniques? Discuss the importance of sampling techniques in social science research
2. Explain the current trends in Library Science Research in India
3. Discuss the factors affecting the selection of a research problem
4. Explain the format and layout of a research report

(2 × 15 = 30 marks)