

COMPULSORY COURSES

Paper – M-105 - RESEARCH METHODOLOGY

Click Title for Old Question papers.

UNIT – I: Introduction to Research

Research: Concept, Need and Purpose

Research Problem and Research Design

Literature Review

Hypothesis: Definition, Types, Sources and Functions

UNIT –II: Types of Research Methods

Historical, Survey and Experimental

Case Study

Scientific Research and Statistical Research, etc.

UNIT – III: Research Techniques

Research Techniques and Tools: Questionnaire, Interview, Observation, Schedule and Check-list, etc.

Library Records and Reports

UNIT – IV: Statistics and its Applications

Descriptive Statistics – Measures of Central Tendency: & Dispersion, Correlations and linear regression, Chi-Square test, t-test, z-test, f-test.

Presentation of Data: Tabular, Graphic, Bar Diagram and Pie Chart, etc.

Report Writing

Statistical Packages – MS Excel, SPSS, and Web-based Statistical Analysis Tools, etc.

UNIT – V: Metric Studies and Style Manuals

Scientometrics, Infometrics and Webometrics

Manual Structure, Style, Contents- ISI, MLA, APA, CHICAGO, etc.

Recommended Books

1. **ALVESSON (M)** and **SKOLDBERG (K)**. Reflexive methodology: new vistas in qualitative research. Ed. 2 Rev. 2009. Sage Publication, London.
2. **BUSHA (C H)**. Research methods in librarianship. 1990. Academic Press, New York.
3. **GOODE (W J)** and **HATT (P K)**. Methods in social research. 1982. McGraw-Hill, New York.
4. **GREENFIELD (T)**. Research methods: guidance for postgraduates. 1996. Hodder Arnold, London.
5. **KRISHAN KUMAR**. Research methods in library and information science. Rev. Ed. 1999. Har-Anand Publications, New Delhi.
6. **LANCASTER (F W)** and **POWELL (R R)**. Basic research methods for librarians. 1985. Ablex publishing, New Jersey.
7. **POWELL (R R)** and **SILIPIGNI (C L)**. Basic research methods for librarians. Ed. 4. 2004. Libraries Unlimited, Westport.
8. **SINGH (S P)**. Research methods in social sciences: a manual for designing questionnaires. 2002. Kanishka, New Delhi.
9. **SLATER (M)**, Ed. Research methods in library and information studies. 1990. Library Association Publishing, London.
10. **YOUNG (P V)**. Scientific social survey and research. Rev. Ed. 4. 1984. Prentice Hall, New Delhi.