

**Paper I — RESEARCH METHODS AND
QUANTITATIVE TECHNIQUES**

Time : Three hours

Maximum : 80 marks

Answer any FOUR questions.

All questions carry equal marks.

1. Explain the structure, format and presentation of research report.
2. Discuss in detail the various sampling techniques.
3. Define hypothesis. Explain the different types of hypothesis.
4. Write an essay on various scaling techniques and their reliability in social science research.
5. Discuss the factors that affect the selection of a research problem.
6. Explain the features of research design.
7. Define survey. Explain the relevance of survey method to library and information science research.

8. Write short notes on any THREE of the following :
 - (a) Diagnostic research
 - (b) Historical method
 - (c) Regression analysis
 - (d) Non-participant observation
 - (e) Structured questionnaire.
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Paper II — LIBRARY INFORMATION PROCESSING
AND RETRIEVAL TECHNIQUES

Time : Three hours

Maximum : 80 marks

Answer any FOUR questions.

All questions carry equal marks.

1. Define IRS. Explain the components of IRS.
2. Distinguish the two schemes of classification CC and DDC.
3. Write a note on MARC format of standardization.
4. Describe the steps involved in PRECIS entries with example.
5. Explain the impact of IT on Information Retrieval Techniques.
6. Define Thesaurus. Explain the process of developing a thesaurus.
7. Trace the evolution of AACR — II.

8. Write short notes on any THREE :

- (a) Uniterm Indexing
 - (b) CCF
 - (c) LC
 - (d) Relevance.
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**Paper III — MANAGEMENT OF LIBRARY AND
INFORMATION SYSTEM**

Time : Three hours

Maximum : 80 marks

Answer any FOUR questions.

All questions carry equal marks.

1. Explain the steps involved in planning Library and Information System.
2. Present an account on organisation structure in university libraries.
3. Discuss the criteria for evaluation of Library and Information System.
4. What do you mean by Operational Research? Enumerate and explain any two techniques.
5. Explain the different types of communication.
6. Discuss the contribution of human relations and behavioural schools of thoughts.
7. Write an account on system analysis and design.

8. Write short notes on any THREE of the following :

- (a) PPBS
 - (b) Marketing of information
 - (c) Information industry
 - (d) System approach.
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