

Paper I — RESEARCH METHODS AND
QUANTITATIVE TECHNIQUES

Time : Three hours

Maximum : 80 marks

Answer any FOUR of the following.

All questions carry equal marks.

(4 × 20 = 80)

1. Define the term "Research". Explain the different types of Research. Discuss the qualities of a good research worker.
2. Define Research problem. What are the sources for identification of a research problem? Discuss the factors influencing the selection of it.
3. What is meant by Research Design? Discuss the salient features of Experimental Research.
4. Define Sampling. Describe briefly various types of sampling methods and give a brief description of each of them.
5. What are the different types of Interviews? Discuss the advantages and disadvantages of Interview method.

6. How do you analysis the data? Explain in detail.
 7. Explain the purpose of writing research report. Discuss in detail the structure of a research report.
 8. Write a short note on any THREE of the following :
 - (a) Case study method
 - (b) Null-Hypothesis
 - (c) Non-participant observation
 - (d) Time series analysis
 - (e) Applied Research.
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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. Write in detail about the general theory of subject indexing languages.
2. Explain about the structure and functions of POPSI.
3. Trace the history and structure of AACRII.
4. How do you construct a microthesaurus for the subject molecular bio sciences?
5. Discuss the objectives, structure and functions of an information retrieval system.
6. Write about the use of indicator digits in different schemes of classification.
7. Write an essay on criteria for evaluation of an information system.

8. Write short notes on any THREE :

- (a) UDC
 - (b) CCF
 - (c) ISO 2709
 - (d) Uniterm inclining.
 - (e) Recall.
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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. Discuss the concept of systems study and explain its application in library management.
2. Discuss in detail various schools of management thought.
3. Highlight the importance of planning of National Information Systems.
4. Suggest suitable marketing strategies for information products and services.
5. Explain the modern concept of library and management.
6. Define Budget. Explain in detail different types of budgeting systems.
7. Define communication. Examine various formal and informal channels of communication.

8. Write short notes on any THREE of the following :
 - (a) Economics of information
 - (b) Organisational structure
 - (c) Cost effective analysis
 - (d) Participative approach
 - (e) Performance evaluation.
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