

**POST GRADUATE DIPLOMA IN
LIBRARY AUTOMATION AND
NETWORKING (PGDLAN)
Term-End Examination
December, 2025**

MLI-003 : INFORMATION SYSTEMS

Time : 2 Hours

Maximum Marks : 50

Weightage : 70%

Note : *Answer all questions. All questions carry equal marks. Illustrate your answer with suitable examples and diagrams, wherever necessary. Write relevant question number before writing the answer.*

1. Define an information system. Explain various components of an information system in detail.

Or

What do you mean by 'System Analysis' ?

Discuss the role of a system analyst.

2. Define an information retrieval system.
Explain different models of information retrieval system based on input and output.

Or

What do you mean by Management Information Systems (MIS) ? Discuss the need of MIS.

3. Define a knowledge based system. Explain the individual tasks required for the construction of a knowledge based system.

Or

Explain the concept of digital library.
Discuss the major issues faced during the development of digital libraries.

4. Explain the concept of DBMS. Discuss the features of an ideal DBMS in detail.

[3]

Or

Differentiate between file organization and access methods. Explain advantages and disadvantages of sequential access method.

5. Write short notes on any *two* of the following (in about **250** words each) :
- (a) Designing a database
 - (b) Normalisation of relations
 - (c) Expert system
 - (d) System evaluation

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