

**POST GRADUATE DIPLOMA IN
LIBRARY AUTOMATION AND
NETWORKING (PGDLAN)**

Term-End Examination

December, 2024

MLI-003 : INFORMATION SYSTEMS

Time : 2 Hours

Maximum Marks : 50

Weightage : 40%

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

1. Describe various types of information systems with suitable examples.

Or

What are the principles of a well-designed system ? Describe the steps involved in system design process.

2. List various models of information retrieval systems. Make a comparison between information retrieval system and data retrieval system.

[2]

Or

Define 'expert system'. Discuss structure of an expert system in detail with a diagram.

3. What do you mean by 'digital library' ? Describe essential properties of a digital library.

Or

Explain the concept of 'File Storage'. Explain various file organisational methods.

4. Enumerate the different data models. Discuss in detail the relational model.

Or

What do you mean by 'query optimization' ? Discuss the various general strategies for query optimization.

5. Write short notes on any **two** of the following in about **250** words each :

- (a) Joins
- (b) RAID technology
- (c) MIS
- (d) Boolean operators

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