

00471

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

Term-End Examination

December, 2017

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 answering.*

1.1 What is an information system ? Describe briefly major features of different types of information systems. **10**

OR

1.2 What is information retrieval system ? Describe 'data retrieval' and 'information retrieval'. **10**

2.1 What do you mean by DBMS ? Explain with illustration logical schema and physical schema of a DBMS. **10**

OR

2.2 What is distributed database system ? Explain with illustration architecture of a distributed database system. **10**

3.1 What is SQL ? Explain any four SQL commands with example (taking two for data definition and two for data manipulation). 2+8

OR

3.2 What is an expert system ? Describe the architecture of an expert system with illustration. 10

4.1 What is a digital library ? Discuss different views related to the potential properties of digital library. 10

OR

4.2 Define relational data model. Enumerate the criteria for a DBMS to be relational. 10

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

- (a) MIS : planning and strategies.
- (b) Object oriented data model.
- (c) Data structure : Inverted lists.
- (d) System Life Cycle.