

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

Term-End Examination

December, 2012

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 Explain the steps involved in system design. Describe the principles of a well-designed system.

OR

1.2 What is an information system ? Describe its different types.

2.1 Discuss the information retrieval models based on theories and tools.

OR

2.2 Explain the criteria for evaluation of an information retrieval system.

3.1 Describe the significant steps in the design of a database discussing the E-R diagram and its role in the design process.

OR

3.2 What is a digital library ? Discuss the major issues and challenges involved in its development.

4.1 Explain the concept of 'file organisation'. Discuss various file access methods.

OR

4.2 Describe in brief data definition language (DDL) and data manipulation language (DML).

5.0 Write short notes on **any two** of the following (in about 250 words each) :

- (a) Expert systems
 - (b) Hierarchical data model
 - (c) Data warehousing and data mining
 - (d) Cost of a JOIN operation
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