

00296

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

**Term-End Examination**

**June, 2010**

**MLI-003 : INFORMATION SYSTEMS**

*Time : 2 hours*

*Maximum Marks : 50*

*(Weightage : 40%)*

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**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.*

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1. Discuss the concept of system analysis. Describe the procedural components of system analysis.

**OR**

Describe the basic phases of a systems life cycle. Discuss the various stages of system development.

2. Explain the criteria for evaluating an information retrieval system.

**OR**

Discuss the structure of a DBMS stating its advantages over a traditional file organisation system.

3. What is an expert system ? Discuss the methods of knowledge representation in it.

**OR**

Discuss the tools for the construction of an expert system. Give examples of such systems in library and information science.

4. Discuss the methods of building a digital library.

**OR**

What is data manipulation language ? Discuss five SQL commands for data manipulation giving examples.

5. Write short notes on *any two* of the following (in about **250** words each) :
- (a) Flowcharting
  - (b) Concept of a decision support system
  - (c) Planning a management information system
  - (d) E-R diagram

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