

00799
66200

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

Term-End Examination

June, 2011

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 do you understand by the term 'systems approach' in the study of systems ? Discuss the main components of a system.

OR

1.2 Discuss the stages of system implementation, evaluation and documentation in the process of system development.

2.1 Explain 'Management Information System' (MIS).
Discuss the structure of a Decision Support System (DSS).

OR

2.2 Discuss the criteria for evaluation of information retrieval systems.

3.1 Describe the steps involved in designing a database. Explain entity - relationship model and its role in database design process.

OR

3.2 Discuss hierarchical, network and relational data models with illustrations.

4.1 Discuss the major issues and challenges in the development of digital libraries.

OR

4.2 Discuss the evolution of Database Management Systems (DBMS) and the goals of a DBMS.

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

- (a) Binary search
- (b) Data integrity and data independence
- (c) Inverted lists
- (d) Artificial intelligence.
