

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

Term-End Examination

00692

June, 2014

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.

1.1 Discuss the evaluation methodology and criteria of an Information Retrieval System (IRS).

OR

1.2 Define a Decision Support System (DSS). Illustrate the structure of DSS and discuss its components.

2.1 Discuss the architecture of a Database Management System (DBMS) with illustration. Explain the purpose of views in database architecture.

OR

2.2 Enumerate the characteristics of a relation. Discuss second normal form with an example.

3.1 Discuss the general strategies for query optimization. Explain the role of JOIN operator in query formulation.

OR

3.2 What are Boolean operators ? Explain their use with suitable examples.

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

OR

4.2 What is file organization ? Enumerate its methods and discuss any two of them.

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

- (a) Object-oriented data model
 - (b) MIS
 - (c) Data warehousing and Data mining
 - (d) Proximity operators
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