MLI-003

POST GRADUATE DIPLOMA IN LIBRARY AUTOMATION AND NETWORKING (PGDLAN)

Term-End Examination

December, 2021

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. Discuss the concept of system analysis. Describe its procedural components.   10

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Or

What is an Information System ? Discuss the use of general systems theory in designing an 'information system'.

2. Discuss the chronological evolution of Database Management System (DBMS) and the goals of a DBMS.   10

Or

What do you understand by 'Information Retrieval' ? Discuss the techniques and processes involved in it.

3. What is an Expert System ? Describe the tools for building an expert system.   10

Or

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

4. Discuss the criteria for evaluation of an information retrieval system.   10

Or

Define a data structure. Make a comparison between 'Linked Lists' and 'Inverted Lists'.

5. Write short notes on any *two* of the following in about **250** words each :   10

   (a) Artificial Intelligence

   (b) Decision Support System

   (c) Memory Hierarchy

   (d) Need of MIS