

No. of Printed Pages : 2

MLI-003

**POST GRADUATE DIPLOMA IN LIBRARY
AUTOMATION AND NETWORKING**

Term-End Examination

June, 2024

MLI-003 : INFORMATION SYSTEMS

Time : 2 Hours

Maximum Marks : 50

Note : Answer all questions. All questions carry equal marks. Illustrate your answer with suitable examples and diagrams, wherever necessary. Write relevant question number before answering.

1.1 Discuss the basis of the general systems theory. Explain the concept of 'system approach' and enumerate the elements of this approach.

Or

1.2. Define a system. Give an overview of the system with the help of a diagram.

[2]

MLI-003

2.1. Discuss the steps related to 'planning' and 'designing' of MIS.

Or

2.2. What is a digital library ? Discuss its characteristics.

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

Or

3.2. What is artificial intelligence ? Discuss its areas of application.

4.1 Discuss the cost of operators SELECT, PROJECT and JOIN in the structured query formulation. Explain the difference between physical and logical query optimisation.

Or

4.2 Explain the use of Boolean operators in searching, using Venn diagrams.

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

- (a) Recall and Precision
- (b) Entropy
- (c) Normalization of Relations
- (d) Expert system

P.T.O.