

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

**Term-End Examination**

**February, 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.*

---

---

**1.1** Explain the concept of System Analysis. Describe its procedural elements. 10

**OR**

**1.2** Explain the system implementation process in detail.

**2.1** Explain the criteria for evaluating an information retrieval system. 10

**OR**

**2.2** What is the main role of Data Definition Language ? Discuss different features of Data Manipulation Language.

**3.1** Discuss tools for the construction of an expert system. Give examples of such a system in Library and Information Science. 10

**OR**

**3.2** Discuss different characteristics and issues of a digital library.

**4.1** What is 'Data Model' ? Explain 'Relational Model' as a form of data structure to represent the data in a real world. 10

**OR**

**4.2** What are Boolean Operators ? Explain their use with suitable examples.

**5.0** Write short notes on any *two* of the following in about 250 words each : *2×5=10*

- (a) Data Flow Diagram
  - (b) Recall and Precision
  - (c) B-Trees
  - (d) Artificial Intelligence
-