POST GRADUATE DIPLOMA IN LIBRARY AUTOMATION AND NETWORKING (PGDLAN)

Term-End Examination

December, 2022

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. Explain the concept of 'systems analysis'. Describe in brief its procedural components.

Or

Enumerate the basic phases of a system's life cycle. Discuss various stages of system development.

2. Discuss the various information retrieval techniques as proposed by Nicholas Belkin and Bruce Croft.

Or

What is artificial intelligence ? Discuss its areas of application in libraries.

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

Or

Explain the term 'Structured Query Language'. Explain the use of operators 'SELECT', 'PROJECT' and 'JOIN' in the structured query formulation.

4. Explain the role of DBMS as decision support tool. Illustrate the architecture of distributed database systems.

Or

What do you mean by 'Search Strategy' ? Describe the basic search tools used in bibliographical information retrieval.

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

(a) Open and closed systems

(b) RAID technology

(c) Truncation

(d) Data Mining

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