MLI-003

POST GRADUATE DIPLOMA IN LIBRARY AUTOMATION AND NETWORKING (PGDLAN)

Term-End Examination

June, 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.*

1.1 What is an Information System ? Discuss its different types.   *10*

OR

1.2 Discuss the principles and process of system design.   *10*

2.1 Explain the role of DBMS as a decision support tool. Illustrate the architecture of Distributed Database Systems.   *10*

OR

2.2 Define Normalization. Why is it required ? Explain different 'forms of normalization' with examples.   *10*

3.1 Discuss the need and objectives of a DBMS. Describe the chronological evolution of DBMS. *10*

OR

3.2 Explain E-R diagram and its role in data modelling. *10*

4.1 Explain the use of Boolean operators in searching, using Venn diagrams. *10*

OR

4.2 What is Data Manipulation Language ? Discuss five SQL commands for data manipulation, giving examples. *10*

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

   (a)   RAID Technology

   (b)   Flowcharting and its Symbols

   (c)   Recall and Precision

   (d)   Proximity Operators

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