

B.Sc. Honours Information Technology Major
SEMESTER-II
COURSE 4: DATABASE MANAGEMENT SYSTEMS

MODEL QUESTION PAPER

Time : 3 Hours

Max. Marks:70

SECTION – A

Answer any FIVE of the following
(Marks: 5 x 4 marks = 20 marks)

1. Describe the drawbacks of file-based system.
2. Write the advantages of database approach.
3. Explain the advantages of ER modeling.
4. Write about Relational Data Model.
5. Explain the data types in SQL.
6. Explain aggregate function in SQL.
7. Explain PL/SQL Data Types
8. What is a variable? How to declare a variable in PL/SQL.

SECTION – B

Answer any FIVE of the following
(Marks: 5 x 10 marks = 50 marks)

UNIT- I

9. (a) Define Database Management System. Explain various Data Models.
Or
(b) Explain three schema architecture of database.

UNIT - II

10. (a) Explain the building blocks of entity relationship diagram with example.
Or
(b) What is relationship degree? Explain different types of relationships.

UNIT - III

11. (a) Explain CODD Rules.
Or
(b) Explain various Normal Forms with examples.

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UNIT - IV

12. (a) Explain Data Manipulation Language Commands with examples.
Or
(b) Explain Data Definition Language Commands with examples.

UNIT - V

13. (a) Explain the Structure of PL/SQL Program with example.
Or
(b) Explain Iterative Control Statements with examples.

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