

B.C.A. DEGREE EXAMINATION, NOVEMBER 2021.

First Year – Second Semester

Part – II

Paper II — DATABASE MANAGEMENT SYSTEMS

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Write a short notes on data and Information.
2. Define database. Explain advantages of database approach.
3. What is Key? Explain the keys used in Relational model.
4. Explain classification of Entity Sets.
5. What is SQL? Write about SQL Literals.
6. Write about UPDATE and DELETE statement.
7. Explain about joins.

8. Write about subqueries.
9. What are the data type available in PL/SQL?
10. Write about conditional control statements.

SECTION B — (5 × 10 = 50 marks)

Answer any FIVE questions.

11. What is file-based system? Explain drawbacks of file based system.
12. Explain various components of Database Management System.
13. Explain CODD's relational database rules.
14. Give a brief account on Entity Relationship Model.
15. Explain different DDL and DML commands in SQL with syntax and example.
16. Explain logical and set operators with example.
17. Explain TCL commands with example.
18. What are different aggregate functions in SQL? Explain with syntax and examples.
19. Explain various control structure in PL/SQL.
20. Explain processing with cursors in PL/SQL.