

B.C.A Semester - 3 (NEP-2020) Examination**OCT/NOV-2024****DBMS -1 (Major-7)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Que-1 Answer the Followings (Any Two) (10)

- 1) Explain: DBMS its advantages and components
- 2) Explain: DBMS Basic data types
- 3) Explain: Basic terminology of RDBMS
- 4) Explain: E. F. Codd Rules

Que-2 Answer the Followings (Any Two) (10)

- 1) Explain: Types of Normal Forms
- 2) Explain: Various types of Keys
- 3) Explain: fundamental operators in relational algebra
- 4) Explain: Various Data Constraints

Que-3 Answer the Followings (Any Two) (10)

- 1) Write a detail note on: CRUD operation
- 2) Explain in detail: DDL and DML
- 3) Explain in detail: SQL * Plus and its advantages
- 4) Explain: SQL Operators and Expression

Que-4 Answer the Followings (Any Two) (10)

- 1) Explain: Logical SQL Operators
- 2) Write a note on: Various join in SQL
- 3) Explain: SQL Role Commands
- 4) Explain: any five date function in SQL

Que-5 Answer the Followings (Any Two) (10)

- 1) Explain: any five numeric function in SQL
- 2) Explain: DCL and TCL commands in SQL
- 3) Explain: Relation and its types
- 4) Write a note on: Data Models in RDBMS
