



DCBD203

Reg. No.

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II Semester B.Com. (BDA) Degree Examination, June/July - 2025

COMMERCE

Fundamentals of Database Management System and SQL

(NEP Repeater Scheme)

Paper : 2.3

Time : 2½ Hours

Maximum Marks : 60

Instructions to Candidates:

Answer should be written in English only.

SECTION - A

Answer any **FIVE** sub questions. Each sub question carries **2** marks. **(5×2=10)**

1. a) What are the three levels of data abstraction?
- b) Define Relationship. Give an example.
- c) What is data model?
- d) List various operators used in relational algebra.
- e) Define primary key.
- f) Write any two applications of DBMS.
- g) What is referential integrity?

SECTION - B

Answer any **FOUR** questions. Each question carries **5** marks. **(4×5=20)**

2. What are the types of SQL Constraints? Explain.
3. Describe the three Schema Architecture of DBMS.
4. What are the advantages and disadvantages of DBMS?
5. Explain - DDL and DML.
6. Explain Data Warehousing in detail.

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SECTION - C

Answer any **TWO** questions. Each question carries **12** marks.

(2×12=24)

7. Explain Relational Algebra in detail.
8. Explain Distributed Database in detail.
9. Explain the DDL and DML Commands with example.

SECTION - D

Answer any **ONE** question. Each question carries **6** marks.

(1×6=6)

10. Create STUDENT (Regno, Name, DOB, Sub1, Sub2, Sub3)
 - Create the above table with proper primary key constraint.
 - Insert 5 rows to the table.
 - Add three columns to the table (Total, Average, Result)
11. Explain the aggregate functions in SQL with example.