



**K25U 2560**

**Reg. No. : .....**

**Name : .....**

**V Semester B.A./B.A. Afsal-UI-Ulama/B.Sc./B.Com./B.T.T.M./B.B.A./  
B.B.A. – T.T.M./B.B.A.-A.H./B.C.A./B.S.W./B.M.C. Degree  
(C.B.C.S.S. – O.B.E. – Regular/Supplementary/Improvement)**

**Examination, November 2025**

**(2019 to 2023 Admissions)**

**Generic Elective Course**

**5D03CSC : DATABASE MANAGEMENT SYSTEM**

**Time : 2 Hours**

**Max. Marks : 20**

**SECTION – A**

**(Short Answer)**

Answer **all** questions.

**(6×1=6)**

1. What does DBMS stands for ?
2. Define primary key.
3. What is an entity ?
4. What is meant by cardinality ?
5. Which type of JOIN returns only the rows that have matching values in both tables ?
6. Which operator is used for pattern matching in SQL queries ?

**SECTION – B**

**(Short Essay)**

Answer **any four** questions.

**(4×2=8)**

7. What is a tuple in the relational model ? Give an example.
8. What is meant by data consistency ?
9. Differentiate between DELETE and TRUNCATE commands in SQL.
10. What is the purpose of aggregate functions in SQL ?
11. Explain the use of the BETWEEN operator in SQL queries with an example.
12. What is a subquery in SQL ? Give a simple example.

**P.T.O.**



SECTION – C  
(Essay)

Answer **any one** question.

(1×6=6)

13. Explain the relational algebra project operation with an example.

14. Write SQL DDL commands for the following scenarios :

- a) Create a table named Books with columns : BookID (INT, Primary Key), Title (VARCHAR (255), NOT NULL), Author (VARCHAR (100)) and PublishedYear (INT).
- b) Add a new column, Genre (VARCHAR (50)), to the Books table.
- c) Change the data type of the Author column to VARCHAR (150).
- d) Delete the Books table.

