



K22U 3584

Reg. No. :

Name :



**Third Semester B.C.A. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2022
(2019 Admission Onwards)
GENERAL AWARENESS COURSE
3A13BCA : Database Management System**

Time : 3 Hours

Max. Marks : 40

PART – A (Short Answer)

Answer **all** questions.

(6×1=6)

1. What are the different types of users in DBMS ?
2. What is Relational Data Model ?
3. How do you delete an existing table using SQL query ?
4. What is a candidate key ?
5. What is the use of SQL between clause ?
6. What is meant by weak entity set ?

PART – B (Short Essay)

Answer **any 6** questions.

(6×2=12)

7. Describe the advantages of using DBMS.
8. What is the function of MySQL CHECK constraint ?
9. Differentiate between Union and Intersection operations.
10. What are the types of triggers in MySQL ?
11. Explain Cartesian product in Relational Algebra.

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12. Briefly describe 'where' clause in MySQL.
13. What are different types of integrity constraints in DBMS ?
14. Define trigger which invoked during every insert operation.

PART – C (Essay)

Answer **any 4** questions.

(4×3=12)

15. Describe various Datatypes available in SQL.
16. Explain the various types of attributes present on ER model with examples.
17. What is a relational model ? Explain with an example.
18. Explain the types of Relational Calculus. Define the basic operations of relational algebra with an example each.
19. What are different mapping constraints defined while designing an ER diagram ?
20. Define a view. Explain how views are different from tables.

PART – D (Long Essay)

Answer **any 2** questions.

(2×5=10)

21. Define Join. Explain its types with examples.
22. Illustrate ER Model. Explain ER design issues and various symbols used to draw an ER diagram.
23. Illustrate DML commands with syntax and example.
24. Explain in brief ACID properties in Transaction Management.