Reg. No. : ....

Name : ....

III Semester B.Sc. Degree CBCSS (OBE) – Regular Examination, November 2020
(2019 Admission Only)
General Awareness Course in Computer Science
3A12CSC : DATABASE MANAGEMENT SYSTEMS

Time : 3 Hours

Max. Marks : 40

PART– A
(Short Answer)

(6×1=6)

Answer **all** questions.

1. What is a Database System ?

2. Define Schema.

3. Define secondary key.

4. Give the syntax for creating a table in SQL.

5. Define weak entity.

6. How is 2NF different from 1NF ?

PART – B
(Short Essay)

(6×2=12)

Answer **any six** questions.

7. Who is a Database administrator ?

8. What is the difference between logical and physical data independence ?

9. What is a subquery ?

10. Explain sequences.

11. What is cardinality and degree of a table ?

12. What is drop table ?

13. Can you change the structure of a table ? If so, how ?

14. Give any two datatypes in SQL.

PART – C

(Essay)

(4×3=12)

Answer **any four** questions.

15. Compare different levels of abstraction in DBMS.

16. Explain integrity constraints.

17. Discuss hierarchical data model.

18. Discuss TCL.

19. Explain any three SQL functions.

20. Explain the categories of database users.

PART – D

(Long Essay)

(2×5=10)

Answer **any 2** questions.

21. Explain the purpose of DBMS.

22. Draw an ER diagram for a library management system.

23. Explain Relational Calculus.

24. Create a table student with rollno, name, sex and marks as attributes. (Rollno is the primary key). Write queries for

    1) Insert records.
    2) Sort students based on mark.
    3) Display the highest mark.

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