



K23U 3416

Reg. No. :

Name :

III Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2023
(2019 to 2022 Admissions)
General Awareness Course in Computer Science
3A12CSC – DATABASE MANAGEMENT SYSTEM

Time : 3 Hours

Max. Marks : 40

PART – A
(Short Answer)

Answer **all** questions.

(6×1=6)

1. Define database.
2. Define primary key.
3. What is an entity ?
4. What is a subquery ?
5. What is the use of join operation ? List the different types.
6. What is a trigger ?

PART – B
(Short Essay)

Answer **any 6** questions.

(6×2=12)

7. Briefly explain the database structure.
8. Explain the purpose of database systems.
9. What is ER diagram ?
10. What is functional dependency ?

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11. Explain any two SQL functions.
12. What is the use of GRANT command ?
13. Explain sequences.
14. What are views ? How will you create it ?

PART – C

(Essay)

Answer **any 4** questions.

(4×3=12)

15. What is DBA ? Explain the functions of DBA.
16. Explain the mapping of constraints in ER model.
17. Differentiate between weak and strong entity sets.
18. Which are the different data types used in SQL ?
19. Write a short note on relational calculus.
20. Briefly explain integrity constraints.

PART – D

(Long Essay)

Answer **any 2** questions.

(2×5=10)

21. Explain different data models with examples.
 22. Explain various normal forms with examples.
 23. Explain different database languages.
 24. Explain relational algebra operations with examples.
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