



23104312

QP CODE: 23104312

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE
EXAMINATIONS, JANUARY 2023**

Third Semester

B.Sc Mathematics Model II Computer Science

**VOCATIONAL COURSE - CA3VOT03 - COMPUTER SCIENCE - DATABASE
MANAGEMENT SYSTEMS**

2017 Admission Onwards

A2B3352F

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Define DBMS.
2. Differentiate instance and schema.
3. Define cardinality of a database table.
4. What is GRANT REVOKE command?
5. What is simple key?
6. What is DELETE command in SQL?
7. What are the string data types in SQL?
8. Write the syntax of 'insert' command in SQL.
9. What is object oriented data model?
10. What are the steps using in query optimization?
11. Define query optimization.
12. What is client-server system?



(10×2=20)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. What is naive user and application programmer?
14. What is Normalization? Explain 1NF and 2nd NF.
15. Explain cardinality constraints.
16. Explain weak and strong entity set with the help of an ER diagram.
17. Explain aggregate function in SQL.
18. Define view. What is the syntax for creating a view? Explain with an example.
19. Explain Data Dictionary.
20. What is sequential file organization?
21. Define query evaluation.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Explain different join operations in SQL.
23. Explain Relational Algebra operations in SQL.
24. Explain organization of records in files.
25. Explain centralized architecture and client server architecture.

(2×15=30)