QP CODE: 23127451

23127451

Reg No : .....

Name : .....

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

Third Semester

B.Sc Mathematics Model II Computer Science

VOCATIONAL COURSE - CA3VOT03 - COMPUTER SCIENCE - DATABASE MANAGEMENT SYSTEMS

2017 Admission Onwards

89B38408

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Define DBMS.
2. Define data model and list different types of data model in DBMS.
3. What do you mean by data independance?
4. What are database languages?
5. Define Normalization.
6. Write the syntax for creating a view.
7. Briefly explain SELECT operation in relational algebra.
8. Define system catalog.
9. Define object oriented language.
10. What are the steps using in query optimization?
11. Define heterogeneous database.
12. Write a note on Distributed System.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. What is data model? Explain the categories data models.

14. What is an attribute? Explain different attributes.

15. What are the different symbols used in ER diagram?

16. Explain constraints on generalization.

17. Explain DDL and DML commands with example.

18. Explain BETWEEN and LIKE operator in SQL.

19. Explain DDL and DML with examples.

20. Create table STUDENT(Regno, Name,Dept,Mark), Set Regno of STUDENT Table as Primary Key and insert five records.

21. Explain any five SQL queries with syntax and example.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain any five keys in detail.

23. Explain any five DML queries with syntax and example.

24. Explain organization of records in files.

25. Explain centralized architecture and client server architecture.

(2×15=30)