

B.M.S COLLEGE FOR WOMEN AUTONOMOUS
BENGALURU – 560004

END SEMESTER EXAMINATION – SEPTEMBER / OCTOBER 2022

B.Voc I.T. - II Semester
Database Management System

Course Code: BVIT2DSC06

Duration: 2 ½ Hours

QP Code: 2037

Max marks: 60

Instruction: Answer all the sections.

SECTION-A

Answer any TEN questions. Each question carries TWO marks: (10x2=20)

1. List any two characteristics of the Database approach.
2. Write any four Advantages of DBMS.
3. Define Database Schema.
4. What is an Entity Set?
5. Define Multi-level Indexing.
6. Write the SQL Query to create a table.
7. What are Unary Relational Operations?
8. What is Higher Order Normal Form?
9. Define BCNF.
10. Write the function of VIEWS in SQL.
11. Mention the types of Concurrency control techniques.
12. How do you backup and recovery database from catastrophic failures?

SECTION-B

Answer any FIVE questions. Each question carries FOUR marks: (5x4=20)

13. Explain the concept of Centralized and Client-Server Architectures.
14. Write the classification of Database Management Systems and explain.
15. Write a note on Relationship Types.
16. Explain File organization and its types.

17. Write the syntax of INSERT and UPDATE query with example.
18. Explain Relational Database Design.
19. Describe the properties of transactions in SQL.

SECTION-C

Answer any TWO questions. Each question carries TEN marks:

(2x10=20)

20. Explain Three-schema Architecture of Database systems.
21. What is Data Modeling? Narrate using ER Model.
22. Define Normalization. Explain various types of Normal Forms in detail.
23. Explain Two-phase locking techniques in detail.

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