

UUCMS No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

B.M.S. COLLEGE FOR WOMEN, AUTONOMOUS
Bengaluru – 560 004
Semester End Examination –September 2023

B.Voc-IT – 2nd Semester

DATABASE MANAGEMENT SYSTEM
(NEP Scheme 2021-22 onwards F+R)

Course Code: BVIT2DSC06
Duration: 2 ½ Hours

QP Code:2037
Max. Marks: 60

Instruction: Answer all the sections.

SECTION-A

I. Answer any TEN questions. Each question carries TWO marks. (10X2=20)

1. What is DBMS?
2. Define the terms Entity and Entity type?
3. What is Data Models?
4. What are primary and secondary keys?
5. What are strong and weak Entities?
6. Define Degree of Relationship.
7. What is File Organization?
8. What is Relation Algebra?
9. Give the purpose of CREATE command with an example.
10. Mention the different Data types in SQL.
11. What is Transaction processing?
12. What is concurrency control?

SECTION-B

II. Answer any FIVE questions. Each question carries FOUR marks. (5X4=20)

13. Explain the various characteristics of Database Approach.
14. What are the responsibilities of DBA? Explain.
15. Explain the Architecture of DBMS with a neat diagram.
16. Explain the different types of attributes with an example.
17. Write a note on storage devices.
18. Explain the SELECT and PROJECT Relational operations with an example.
19. Explain the different aggregate functions in SQL with an example.

SECTION- C

III. Answer any TWO questions. Each question carries TEN marks. (2X10=20)

20. Explain the different advantages of DBMS in detail.
21. What is Normalization? Explain the different types Normalization with an example.
22. Explain the various notations used in ER-diagram and write an ER diagram for library database system.
23. Explain the various DML commands in SQL with their syntax and example

BMSCW LIBRARY