

IMBA CSM (NEP) Sem.-1 Examination**MDC-ICSM-114T****Database Management System****February-2025****[Max. Marks : 25****Time : 1-00 Hour]****Question 1 Answer the following questions:**

- i. Explain the difference between Data and Information. What are the advantages and disadvantages of using a DBMS? 5Marks
- ii. What is the significance of commands like COMMIT, ROLLBACK, and SAVEPOINT? 5Marks

OR

- i. What are the different types of relationships that can be represented in an Entity-Relationship diagram? Explain with examples. 5Marks
- ii. Write a Short note on DCL 5Marks

Question 2 Answer the following questions:

- i. What are Joins in relational databases? Explain the 3 types of joins with examples. 5Marks
- ii. Explain the GROUP BY clause in SQL. With example. 5Marks

OR

- i. What are the differences between INNER JOIN, LEFT JOIN, and RIGHT JOIN? Explain with practical examples how each of these joins behaves when applied to two tables. 5Marks
- ii. What is the purpose of the DISTINCT keyword in SQL? How is it different from using GROUP BY? Explain with an example. 5Marks

Questions 3: Attempt any Five out of Six.**05 Marks**

1. Write Full form of DDL .
2. List String Data types.
3. Write Full form of TCL .
4. How to sort records?
5. What is Equijoins?
6. What is RTRIM?

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