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Bengaluru

Mid Term Examinations - October 2026

Date: 09/10/2026 **Time:** 09:30 AM - 11:00 AM

Course Code: CSA2503 **Course Name:** Relational Database Management Systems

Semester: Third Semester **Max. Marks:** 50 **Weightage:** 50%

CO - Levels	CO1	CO2
Marks	96	84

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	Define database.	2	CO1	BT2
2	Enumerate the types of end users.	2	CO1	BT2
3	Differentiate between schema and instance.	2	CO1	BT2
4	Explain DCL and its various statements .	2	CO2	BT2
5	Differentiate between alter and update operation in SQL.	2	CO2	BT2

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Enumerate database architecture.	10	CO1	BT2
7	What is the purpose of a Data Model. Explain any 3 Data Models.	10	CO1	BT2

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Identify the steps to be followed to create an ER model for the Banking database application, illustrating the same with a neat ER diagram.	10	CO1	BT3
9	Identify the basic Components of ER Diagram explaining the same with clear examples.	10	CO1	BT3

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	What are DML commands? illustrate the same by creating a student table with attributes srno, name and course with suitable datatypes and length having a cardinality of 3.	10	CO2	BT3
11	What are DDL commands? illustrate the same by creating a student table with attributes srno, name and course with suitable datatypes and length. Alter this table to add a new attribute phone having integer as data type.	10	CO2	BT3

PART E: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
12	Explain Constraints in sql with example.	10	CO2	BT2

13	Illustrate Arithmetic operations in sql with example	10	CO2	BT2