PRN		Course Code:	UCA303

000691

Second Year **B. C .A** End Semester Examination winter 2023

Database Management System

Day and Date: Mon ⊨ 2 DEC 2024 Max Marks:**100**

Time: 10:30AM To 01:30PM Duration:**03 hrs**

Instructions: All questions are compulsory.

Q.1 Attempt the following	**Marks**	**Bloom's Level**	**CO**
a) What is database? Explain the purpose of database system.	08	L2	CO1
b) Explain basic building blocks in detail?	08	L2	CO2
OR			
c) What is DBMS? Explain its architecture.	08	L1	CO2
Q.2 Attempt the following.			
a) What are 12 Codd's rules in dbms?	08	L1	CO2
b) Define Constraints in dbms with examples?	08	L1	CO3
OR			
C) Explain Normalization with its types.	08	L2	CO2
Q.3 Attempt any two from the following.			
a) Define set operation? explain types of set operation.	08	L2	CO2
b) Illustrate the following . i)Division ii)Joins	08	L2	CO2
c) Construct short note on Operators .	08	L3	CO2
Q.4 Attempt any two from the following.			
a) What is Integrity constraints? State types of integrity constraints in detail.	08	L2	CO2
b) Show the difference between view and table.	08	L2	CO3
c) Explain joined relation.	08	L2	CO3
Q.5 Attempt any two from the following.			
a) What is database recovery management? And give its types.	09	L2	CO4
b) What is transaction management? Explain its ACID properties .	09	L1	CO4
c) Compare the difference between time stamping method and optimistic method.	09	L2	CO4
Q.6 Attempt any two from the following.			
a) Illustrate the following. i) Operators ii)Keywords iii) Identifiers	09	L2	CO4
b) Describe functions in PLSQL.	09	L4	CO4
c) Distinguish between cursor and triggers.	09	L4	CO4

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