PRN		Course Code:	UCA303

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

Database Management System

Day and Date: Saturday, 02/12/2023 Max Marks:**100**

Time: 2.00 to 5.00 PM 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	L1	CO1
b) Explain view of data models in dbms?	08	L2	CO2
OR			
c) What is DBMS? explain its architecture.	08	L1	CO2
Q.2 Attempt the following.			
a) Define constraints in dbms with example.	08	L1	CO2
b) Classify E-R model and relational model.	08	L2	CO2
OR			
C) What is codd's 12 rules in dbms ?	08	L1	CO3
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 are the aggregate function in PLSQL?	08	L1	CO2
b) Show the difference between table and view.	08	L2	CO3
c) Explain joined relation.	08	L2	CO3

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Q.5 Attempt any two from the following.

a) What is transaction management? explain its ACID properties.	09	L1	CO4
b) What is database recovery management? and give its types.	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)Identifiers ii)Keywords iii)Operators	09	L2	CO4
b) Describe functions in PLSQL.	09	L4	CO4
c) Distinguish between cursor and triggers.	09	L4	CO4

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