SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai - 600 044.
B.Sc.DS - END SEMESTER EXAMINATIONS - NOV'2024
SEMESTER - III
22UDSCT3003 - Relational Database Management System

Total Duration : 2 Hrs.30 Mins.   Total Marks : 60

Section B

Answer any **SIX** questions $(6 \times 5 = 30 \text{ Marks})$

1. State the advantages of DBMS.

2. Sketch the architecture of DBMS.

3. Apply the concept of 'Domain relational calculus' in an example of your own.

4. Describe any five Codd's rule on a relational data model.

5. Illustrate the concept of 'Redundancy and Data Anomaly'.

6. Classify the data types in SQL.

7. Explain the concept of 'Aggregate functions' with suitable examples.

8. Distinguish between 'Before row trigger' and 'After row trigger' with an example.

Section C

Answer any **THREE** questions $(3 \times 10 = 30 \text{ Marks})$

9. Classify the building blocks of E-R diagram with suitable examples.

10. Apply the concept of 'Relational algebraic operations' in an Employee database.

11. Determine the concept of 2NF and 3NF with suitable examples.

12. Categorize the DML commands with an example.

13. Assess the concept of 'Cursors' with suitable examples.

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