

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.Computer Science - END SEMESTER EXAMINATIONS - NOV'2024

SEMESTER - V

**22UCSCT5008 - Database Management Systems**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

**Section B**

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

1. Explain the DBMS model components.
2. How to apply normal forms to design the database.
3. Prepare file - related and editing commands in SQL\*plus.
4. Describe the data types and their usage in Oracle.
5. List out character functions in Oracle and give an example.
6. Explain how to apply set operations.
7. Illustrate how to use looping statements in PL/SQL.
8. Examine why INSTEAD OF triggers is different from BEFORE and AFTER triggers.

**Section C**

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

9. Using an E-R diagram, illustrate data modeling.
10. Classify the different types of constraints used in Oracle.
11. Organize DML statements in Oracle to perform insert, update, and delete operations.
12. Classify the different types of cursors and how to apply.
13. Compare SQL and NoSQL databases and conclude which is better.

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