

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.C.A. - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - IV

23UCACT4007 - Relational Database Management System (RDBMS)

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Explain different types of database models with examples.
2. Demonstrate the use of SQL constraints with suitable examples.
3. Apply the concept of Joins in SQL and explain different types of Joins.
4. Develop a PL/SQL block to insert and update records using cursors.
5. Describe the process of normalization and its advantages.
6. Compare and contrast different Set Operations in SQL.
7. Illustrate the use of Control Structures in PL/SQL.
8. Evaluate the significance of procedures and functions in PL/SQL.

Section C

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

9. Explain database normalization and discuss its types with examples.
10. Describe the various SQL constraints and their applications with examples.
11. Justify the importance of Built-in and Grouping functions in SQL with examples.
12. Analyze the working of cursors in PL/SQL and provide an example program.
13. Compare triggers and procedures in PL/SQL. Explain their differences with examples.
