

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 NOVEMBER -2023

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. State the types of integrity in DBMS with an example.
2. Describe the procedure for adding a new row and constraint in Oracle.
3. Explain various datatypes in SQL with example.
4. Illustrate the data dictionary view with an example using PL/SQL.
5. Sketch the types of normalization in DBMS using faculty and student relations.
6. Apply the 'DEFINE' command for updating rate by 20% using product relation, having the following fields like pno, pname and rate.
7. Explain the "Exception Handling" in PL/SQL for division by zero error.
8. Determine the procedures in PL/SQL for printing 'PASS' or 'FAIL' in student database.

Section C

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

9. Illustrate the data modelling in detail.
10. Explain in detail various table operation with relevant example.
11. Discriminate the natural and semi-join operations in SQL.
12. Apply an explicit cursor for selecting article named as 'DBMS' using library relation.
13. Compare the named blocks in PL/SQL using sum of two numbers.
