B.A./B.Sc. (General) 5ᵗʰ Semester

(2123)

COMPUTER SCIENCE

Relational Database Management System

Paper—CS10

Time Allowed : Three Hours]   **[Maximum Marks : 30**

Note :— Attempt **FIVE** questions in all by selecting **ONE** question from each Unit. Entire Question Number **IX** is compulsory.

UNIT–I

I.   (a)   Differentiate between DDL and DML commands.

(b)   Which command is used to view data from a Table ? Give various ways to use this command.   3,3

II.   (a)   Explain the use of any two Column Constraints applicable on a Table with examples.

(b)   How can you alter and destroy Tables ? Give commands with examples.   3,3

UNIT–II

III.   Explain the use of any six String and Date Functions with examples.   6

IV. List and explain the use of Set Operators in SQL. 6

UNIT–III

V. (a) How are Views created, altered and replaced ? Also explain their benefits and limitations.

 (b) Differentiate between Inline views and materialized views.

3,3

VI. Describe different types of privileges used in SQL to maintain Database Security. How are they granted and revoked ? Give commands and examples. 6

UNIT–IV

VII. (a) What is the purpose of using PL/SQL ? Describe its block structure.

 (b) Explain any two Conditional controls used in PL/SQL with examples. 3,3

VIII. (a) What is the use of Exception handling in PL/SQL ? Explain the concept using any suitable example.

 (b) What is the use of Subprograms in PL/SQL ? Explain briefly.

3,3

(Compulsory Question)

IX. Write short answers :

 (i) Differentiate between SQL and PL/SQL.

 (ii) What is the use of DISTINCT keyword in SQL ?

(iii) Explain the use of LIKE Operator.

(iv) What is the use of Commit statement ?

(v) How a SQL is written within PL/SQL code ?

(vi) Differentiate between a Procedure and a Function.   6