

(i) Printed Pages : 2

Roll No. 22057546...

(ii) Questions : 9

Sub. Code : 1 7 4 8 4

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B.A./B.Sc. (General) 5th Semester
(2124)

COMPUTER SCIENCE

Paper : CS10 Relational Database Management System

Time Allowed : Three Hours] [Maximum Marks : 30

Note :— Attempt **five** questions in all by selecting **one** question from each Unit. Entire question number **9** is compulsory.

UNIT—I

1. (a) Describe various ways of using Alter Table command.
(b) Explain the use of Table level constraints applicable on a Table with examples. 3,3
2. (a) Explain the syntax of select statement with various clauses.
(b) How is a Table deleted from a database ? Differentiate between deleting and truncating a Table. 3,3

UNIT—II

3. (a) Explain the use Group by and Having clause with examples.
(b) Explain the use of any three Numeric functions. 3,3
4. (a) Explain the difference between Union and Minus Set operators with the help of examples.
(b) Explain the difference between Equi-Join and Outer Join with the help of examples. 3,3

[Turn over

UNIT—III

5. (a) What are the uses of a view ? Write commands to create and replace a view.

(b) What is a Sequence ? How can you create or alter a Sequence ? 3,3

6. (a) Differentiate between System and Object Privileges. How are they granted and revoked ?

(b) Explain the use and relevance of Commit and Rollback statements. 3,3

UNIT—IV

7. (a) What is PL/SQL ? Describe its main features.

(b) Explain the working of while and for loop in PL/SQL with examples. 3,3

8. (a) Explain the use of Procedures in PL/SQL with examples.

(b) Explain the use of Before and After Triggers with examples. 3,3

(Compulsory Question)

9. Write short answers :

(a) Why is SQL called Fourth Generation Language (4GL) ?

(b) How is a String converted to date in a database ?

(c) Explain the use of NVL () function.

(d) What are the advantages of using a Subprogram ?

(e) How is a Trigger dropped in PL/SQL ?

(f) Can a SQL be written with in PL/SQL code, if yes, how ? 6