2012
B.A./B.Sc. (General) Fifth Semester
Computer Science
CS-10: Relational Database Management System

Time allowed: 3 Hours   Max. Marks: 30

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I - IV.

x-x-x

UNIT – I

I.   a) Describe various DDL Commands to alter a Table.

b) Explain the use of Select command in conditional viewing of data. Give syntax and examples.   (2x3)

II.   a) How is data inserted into a Table? Give Commands and examples.

b) Write commands to rename and drop Tables. Give examples.   (2x3)

UNIT - II

III. a) What is Dual Table? Explain its use with any two Numeric Functions.

b) Explain the use of Group by and having Clause with examples   (2x3)

IV.   a) What is Outer Join? How does it differ from Inner Join?

b) What is Nested Query? Explain its use using different operators. Give examples.
(2x3)

UNIT - III

V.   a) How is an Index created and dropped? What is its use?

b) How does View help in manipulating Base Table? Explain rules of DML statements on Views.   (2x3)

VI.   a) What is the use of sequence? How is it created and dropped? Give examples.

b) How is security managed in a Database using Privileges? Also give commands used to assign and remove Privileges. Give examples   (2x3)

UNIT - IV

VII. a) Explain the structure of PL/SQL program.

b) What is the purpose of %TYPE and %ROWTYPE attributes?

c) Explain the syntax and use of 'For' Loop in PL/SQL.   (3x2)

VIII. a) Explain the use of Implicit Cursor attributes with examples.

b) List any four Predefined Exceptions.

c) What is a Trigger? Write the syntax for creating a Trigger.   (3x2)

UNIT - V

IX. Write short answers for the following:-

a) Explain the use of Check constraint on a Table.

b) Differentiate between Scalar and Aggregate Functions.

c) What is SYSDATE?

d) Describe any two ways of running a PL/SQL program.

e) How can you drop a Procedure in PL/SQL?

f) What is a Subprogram in PL/SQL?   (6x1)

x-x-x