BCMCAV 204

Credit Based Third Semester B.Com. Degree Examination, Nov./Dec. 2015
COMPUTER APPLICATIONS (Vocational)
Paper – V : Database Concepts and Oracle
(2013-14 Batch and Onwards)

Time : 3 Hours

Max. Marks : 80

PART – A

I. Answer **any ten** of the following questions : (10×2=20)

a) Define database.

b) Define domain and entity.

c) What is multivalued attribute ?

d) Write the basic datatypes in Oracle.

e) What is a Primary Key ? Give example.

f) Give the general form of UPDATE statement.

g) Name the different arithmetic and logical operators.

h) What is the purpose of DISTINCT clause ?

i) Define literal.

j) What is a cursor ?

k) Name any two DDL commands.

l) What is meant by database trigger ?

PART – B
Unit – I

2. a) Explain the different types of Database users.

b) Explain the responsibilities of DBA.

c) Explain the rolenames and recursive relationship. (5+5+5)

3. a) Explain the main characteristics of database approach and how it differes from traditional file system.

b) Explain the three schema architecture of DBMS. (10+5)

Unit – II

4. a) Explain the basic structure of Oracle system.

   b) Explain CREATE TABLE command with its syntax and example.

   c) What is a view ? Explain how to create view is Oracle ?   (4+6+5)

5. a) Explain the different variations of ALTER TABLE command.

   b) Explain ORDER BY and GROUP BY clause with example.

   c) Consider the following tables.

   EMP (Eno, Ename, Dno, Basic_Salary) and DEPT (Dno, Dname, Manager)

      i) Write the create table command for the above tables.

      ii) Display Eno, Ename, Dname, Basic_Salary for all the Employees.

      iii) Display Departmentwise total salary of all Employees.

      iv) Increase the salaries of all employees of Dno 105 by 5%.   (5+5+5)

Unit – III

6. a) Explain the advantages of PL/SQL.

   b) What is a procedure ? Explain the creation of procedure with its syntax and example.

   c) Explain If . . Endif statement in PL/SQL.   (4+7+4)

7. a) Explain the While loop and For loop with its syntax and example.

   b) What is a function ? Explain how you create a function with example.

   c) Write a PL/SQL program to find the sum of 'n' natural numbers.   (5+6+4)

Unit – IV

8. a) Explain the attributes of a cursor.

   b) Explain the different types of triggers.

   c) Write a note on Package.   (5+5+5)

9. a) What do you mean by an Exception ? Explain any two system Exceptions.

   b) Explain Cursor For Loops.

   c) Explain functions with syntax and example.   (5+5+5)