C.U.SHAH UNIVERSITY
Wadhwan City

Subject Code : 5CSO2POR1   **Summer Examination-2014**   Date: 12/05/2014
Subject Name :RDBMS Using Oracle
Branch/Semester:- PGDCA/II   **Time:2:00 To 5:00**
Examination : Regular

Instructions:-
(1) Attempt all Questions of both sections in same answer book / Supplementary
(2) Use of Programmable calculator & any other electronic instrument is prohibited.
(3) Instructions written on main answer Book are strictly to be obeyed.
(4) Draw neat diagrams & figures (If necessary) at right places
(5) Assume suitable & Perfect data if needed

SECTION - 1

Q. 1   **Answer the following questions in short: (7 Questions x 1 Marks)**   **[07]**
1. List out the logical operators available in oracle with example?
2. Define: Entity Relationship Diagram.
3. What is Sub - query? Explain with example.
4. Give the syntax and one example of synonyms.
5. List out the characteristics of RDBMS.
6. What is Constraint?
7. What is the difference between TRUNCATE and DELETE commands?

Q. 2   **Answer the following questions:**
1. Differentiate between DBMS and RDBMS.   **[05]**
2. What is sequence? Discuss the role of sequence with appropriate example.   **[05]**
3. Explain PL/SQL block structure with suitable example.   **[04]**

OR

Q. 2   **Answer the following questions:**
1. Write a short note on oracle data types.   **[05]**
2. What is 'Index'? Discuss how you can generate an index on a table.   **[05]**
3. What are the advantages of PL / SQL over SQL?   **[04]**

Q. 3   **Answer the following questions: (2 Questions x 7 Marks)**   **[14]**
1. What is 'Function'? Discuss various categories of oracle's inbuilt functions and also explain at least three oracle's inbuilt functions from each category.
2. Explain IN, ANY, ALL, BETWEEN, EXIST, DISTINCT and LIKE operators with appropriate example.

OR

Q. 3   **Answer the following questions: (2 Questions x 7 Marks)**   **[14]**
1. What is 'View'? Why views are needed? Give different types of views.
2. Discuss in detail various command's of DDL, DML, DCL and TCL with its syntax, purpose and example.

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SECTION - 2

Q. 4 **Answer the following questions in short: (7 Questions x 1 Marks)**   **[07]**
1. What is Exception?
2. What do you mean by 'Active Data Set'? What it contains??
3. What is Transaction?
4. Which role is assigned to DBA users (e.g. SYSTEM user)?
5. Draw the diagram of PL / SQL block structure.
6. Why we need to set the SET SERVEROUTPUT ON before executing PL/SQL block?
7. Which is the main difference between a procedure and function?

Q. 5 **Answer the following questions:**
1. What is ROLE? How one can create the user defined role?   **[05]**
2. What is the difference between IMPLICIT and EXPLICIT cursors?   **[05]**
3. How one can create a new table from existing table?   **[04]**
OR
Q. 5 **Answer the following questions:**
1. Differentiate between System Privilege and Object Privilege.   **[05]**
2. Discuss %TYPE and %ROWTYPE variables with context to cursors.   **[05]**
3. Explain control file, redo log file and data files.   **[04]**

Q. 6 **Answer the following questions: (2 Questions x 7 Marks)**   **[14]**
1. What is 'Procedure'? Explain the concept of procedure with example.
2. Write a PLSQL block to accept employee's number, name, and salary from the user and calculate HRA, DA, and PF using the following conditions: HRA: 10% of Salary, DA: 90% of Salary, PF: 10% of Salary. Then calculate and print the **Net_Salary= (Salary + HRA + DA) – PF**.
OR
Q. 6 **Answer the following questions: (2 Questions x 7 Marks)**   **[14]**
1. Discuss in detail about triggers.
2. Write a program to insert a word from the user and check where it is palindrome or not.

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