Seat No. _____

HAL-003-2033003

B. C. A. (Sem. III) (CBCS) (W.E.F. 2019) Examination

June - 2023

CS-15 : RDBMS Using Oracle

Faculty Code : 003
Subject Code : 2033003

Time : $2\frac{1}{2}$ / Total Marks : **70**

1 (a) Attempt the following : 4
  (1) Table faithfully represents a relation and has no repeating group is known as_____
  (2) A _____ command is used to delete all the rows from the table and free the space containing the table.
  (3) Give full form of TCL.
  (4) Give full form of SQL.
  (b) Answer in brief : (any one) 2
  (1) Describe repheader and repheader in SQL*formatting command.
  (2) What is record ?
  (c) Answer in detail : (any one) 3
  (1) Explain data type available in SQL.
  (2) Explain ER-diagram.
  (d) Attempt the following : (any one) 5
  (1) Difference : DBMS v/s RDBMS
  (2) Write a note on Normalization.

2 (a) Attempt the following : 4
  (1) A describe command is used to remove all record from the table (True/False)
  (2) Query within a query is known as _____
  (3) Write syntax of update command.
  (4) What is Order by clause ?

(b) Answer in brief : (any one)   **2**
   (1) Describe foreign key.
   (2) Desribe greatest() and to_chart().
(c) Answer in detail : (any one)   **3**
   (1) Explain select command.
   (2) Explain Grant, commit and rollback.
(d) Attempt the following : (any one)   **5**
   (1) Write a not on JOIN.
   (2) Write a note on Insert Command.

3 (a) Attempt the following :   **4**
   (1) A _____ is used to give an alternative name of objects.
   (2) The sequence generated can have a maximum of ____ digits.
   (3) What is implicit locking ?
   (4) What is DML lock ?
(b) Answer in brief : (any one)   **2**
   (1) Describe deadlocks.
   (2) Describe database link.
(c) Answer in detail : (any one)   **3**
   (1) Explain Cluster.
   (2) Explain Index.
(d) Attempt the following : (any one)   **5**
   (1) Write a note on View.
   (2) Write a note on Sequence.

4 (a) Attempt the following :   **4**
   (1) Give full form of BLOB.
   (2) The explicit cursors are automatically created by Oracle
       whenever an SQL statement is executed. (True/False)
   (3) IN parameter indicate that accept a value from the user.
       (True/false)
   (4) A table within a table is known as _____
(b) Answer in brief : (any one)   **2**
   (1) Describe VARRAY.
   (2) Describe %rowtype.
(c) Answer in detail : (any one)   **3**
   (1) Explain procedure.
   (2) Explain structure of PL/SQL code block.

(d) Attempt the following : (any one)   **5**
    (1) Write a PL/SQL code to display all records from
       employee table using explicit cursor and display
       appropriate message.
       Employee table : Eno, Ename, Esalary.
    (2) Write a note on trigger.

5 (a) Attempt the following :   **4**
    (1) Give full form of PMON.
    (2) When a database is started on a database server, Oracle
       allocates a memory area called the system global area
       and starts one or more Oracle processes. (True/False)
    (3) Give the full form of LGWR.
    (4) Give the full form of Dnnn.
  (b) Answer in brief : (any one)   **2**
    (1) Describe redo log files.
    (2) Describe oracle block.
  (c) Answer in detail : (any one)   **3**
    (1) Explain oracle database startup process.
    (2) Explain Oracle Database Resource Manager.
  (d) Attempt the following : (any one)   **5**
    (1) Write a note on oracle background processes.
    (2) Write a note on oracle scheduler.

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