B. Sc. (Sem. V) (CBCS) Examination

October / November - 2018

CA - 501 : Computer Application

(RDBMS Using Oracle)

Faculty Code : 003

Subject Code : 1015013

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1 (a) Attempt the following questions :   **4**

    (1) Full form of RDBMS is _____.

    (2) Full form of SQL is _____.

    (3) Full form of TCL is _____.

    (4) Full form of BCNF is _____.

  (b) Answer in brief : (any **one** out of two)   **2**

    (1) Give the definition of database.

    (2) Give the definition of table.

  (c) Answer in detail : (any **one** out of two)   **3**

    (1) Explain operator.

    (2) Give the differences between SQL and SQL*Plus.

  (d) Write a note on : (any **one** out of two)   **5**

    (1) Explain normalization in details.

    (2) Write down Dr. E.F. Codd rules.

2 (a) Attempt the following questions :   **4**

    (1) _____ statement is used to retrieve table data.

    (2) Special operator that used for pattern search is _____.

    (3) _____ function returns absolute value of a number.

    (4) _____ function returns a given string in uppercase.

(b) Answer in brief : (any **one** out of two)   2

    (1) Explain alteration of table with syntax.

    (2) Explain deletion of table with syntax.

(c) Answer in detail : (any **one** out of two)   3

    (1) Explain update statement with syntax and example.

    (2) Explain insert statement with syntax and example.

(d) Write a note on : (any **one** out of two)   5

    (1) Explain inner join, outer join and self join and give the example of inner join.

    (2) Explain constraints available in oracle.

3 (a) Attempt the following questions :   4

    (1) _____ is used to provide the privileges to user.

    (2) _____ is used to save buffer data to storage after transaction.

    (3) _____ is used to take back user privileges.

    (4) _____ statement is used to undo the work done in the current transaction.

(b) Answer in brief : (any **one** out of two)   2

    (1) Give the definition of view.

    (2) Give the syntax of create user.

(c) Answer in detail : (any **one** out of two)   3

    (1) Explain sequence.

    (2) Explain transaction.

(d) Write a note on : (any **one** out of two)   5

    (1) Explain index and cluster.

    (2) Explain commit and rollback with example.

4 (a) Attempt the following questions : 4
     (1) Code block in Pl/Sql start with a _____ section.
     (2) There are _____ types of cursors.
     (3) Exception can be raised explicitly by using _____ command.
     (4) _____ can store a fixed-size sequential collection of elements of the same type.

  (b) Answer in brief : (any **one** out of two) 2
     (1) Give the block structure of PL/SQL.
     (2) Give the syntax of for loop in oracle pl/sql block.

  (c) Answer in detail : (any **one** out of two) 3
     (1) Explain %TYPE with example.
     (2) Explain %ROWTYPE with example.

  (d) Write a note on : (any **one** out of two) 5
     (1) Explain cursor in details.
     (2) Explain if then else statement and case statement.

5 (a) Attempt the following questions : 4
     (1) _____ statement is used to delete procedure.
     (2) _____ package is used to work with scheduler objects .
     (3) A standalone function is created using the _____ statement.
     (4) The _____ package maintains plans, consumer groups, and plan directives.

  (b) Answer in brief : (any **one** out of two) 2
     (1) Give the syntax for procedure creation.
     (2) Give the syntax for function creation.

  (c) Answer in detail : (any **one** out of two) 3
     (1) Explain package.
     (2) Explain managing automated database maintenance task.

  (d) Write a note on : (any **one** out of two) 5
     (1) Explain oracle scheduler.
     (2) Explain triggers with example.

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