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MAX-003-004402   Seat No. _____

B. Sc. (I.T.) (Sem. IV) (CBCS) Examination

March / April - 2018

CS-20 : RDBMS using Oracle

Faculty Code : 003
Subject Code : 004402

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

1   Answer the following questions: **20**

   (1)   A table must have primary key. (True/False)

   (2)   The last buffer command can be executed using _____

   (3)   PMON stands for _____.

   (4)   How many different types of triggers can exist in a table in oracle?

   (5)   Which is the root directory for oracle?

   (6)   _____ contains the physical structure of a database?

   (7)   _____ is the standard language to work with database.

   (8)   Which constraint can be defined at column level only?

   (9)   What is the default parameter mode in procedure and function ?

  (10)   Who is the owner of data dictionary?

  (11)   What is the full form of SGA?

  (12)   List out import modes.

  (13)   What is full form of LGWR?

  (14)   In which file the initialization parameter are stored?

  (15)   In E-R diagram, which symbol is used to represent relationship between entities?

  (16)   What is synonym?

  (17)   Which area of PGA stores binding variables and runtime buffers information?

(18) The option ON DELETE CASCADE can be defined with
_____ .

(19) In case of EXPORT, the file created by oracle will
be_____.

(20) What is the maximum length of CHAR data type?

2 **[a]** Attempt Any 3 out of 6 :   **6**

      (1) Define : block and segment.

      (2) What is listener.

      (3) Explain any and all operator.

      (4) Give fullform : TCL, DDL.

      (5) What is tablespace?

      (6) What is nested table?

   (b) Attempt Any 3 out of 6 :   **9**

      (1) Explain %type and %rowtype in detail.

      (2) Explain groupby and having clause.

      (3) Differentiate: Drop v/s Truncate.

      (4) Explain subquery in detail.

      (5) Explain view in detail.

      (6) Explain SQL data types.

   (c) Attempt Any 2 out of 5 :   **10**

      (1) Explain PL/SQL block structure.

      (2) What is join? Explain types of join.

      (3) Explain commit, rollback and savepoint with syntax
and example.

      (4) Explain normalization with example.

      (5) Explain oracle instance architecture.

3 **(a)** Attempt Any 3 out of 6 : **6**

    (1) What is varray?

    (2) What is net8?

    (3) Explain like operator with example.

    (4) Explain grant and revoke.

    (5) What is database link?

    (6) What is transaction?

(b) Attempt Any 3 out of 6 : **9**

    (1) Differentiate: SQL v/s PL/SQL.

    (2) Differentiate: SQL v/s SQL*plus.

    (3) Explain select statement with example.

    (4) Differentiate: DBMS v/s RDBMS.

    (5) Differentiate: Procedure v/s Function.

    (6) Explain functions: max( ), substr( ), count( ).

(c) Attempt Any 2 out of 5 : **10**

    (1) Write a note on cursor.

    (2) Explain sequence with syantax and example.

    (3) Explain sql*loader.

    (4) Explain types of backup.

    (5) What is constraint? Explain primary key and foreign key.

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