[80/A-28] SEAT No._____

SARDAR PATEL UNIVERSITY
BCA SEM : 04 EXTERNAL EXAMINATIONS No. of Printed Pages : 2
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US04CBCA01 : RELATIONAL DATABASE MANAGEMENT SYSTEM - II
2ND **April 2019, Tuesday**

Time: 02:00 pm to 05:00 pm

Marks: 70

Q.1 Multiple Choice Questions: [10]

1. _____normal form identifies transitive dependencies
[A]. 1-NF   [B]. 3-NF   [C]. 2-NF   [D]. None of Above

2. _____ of the following is not an anomaly?
[A]. INDEX   [B]. INSERT   [C]. UPDATE   [D]. DELETE

3. In which control structure, no need to declare to memory variable?
[A]. While   [B]. For   [C]. If   [D]. All of these

4. ___ attributes is used to declare a variables based on definition of columns in a table.
[A]. %rowtype   [B]. %row   [C]. %type   [D]. %typerow

5. Data stored in a cursor is known as _____.
[A]. implicit cursor   [B]. current data set   [C]. active date set   [D]. Explicit cursor

6. _____ exception is raised when the data type or data size is invalid.
[A]. value_error   [B]. type_invalid   [C]. program_error   [D]. none of these

7. A _____ is an oracle object, which holds other objects in it.
[A]. trigger   [B]. package   [C]. function   [D]. procedure

8. _____ trigger execute the trigger action after the triggering statements.
[A]. statement   [B]. after   [C]. before   [D]. row

9. ____ type of parameter used to send values & get values from the stored procedures.
[A]. IN   [B]. OUT   [C]. IN OUT   [D]. None of these

10. Fetch statement retrieves _____ rows at a time.
[A]. one   [B]. two   [C]. three   [D]. four

Q.2 Write Short Questions. [Any 10] [20]

1. What is Transitive Dependencies explain with Example..
2. Define : Normalization
3. What do you mean by lossless join decomposition?
4. Explain the use of EXIT WHEN in brief.
5. Define: Variable and Constant
6. Draw the PL/SQL block structure.
7. Differentiate Explicit/Implicit cursor.
8. Explain SELECT..INTO statement available in PL/SQL.
9. Explain in brief: SQLCODE
10. List out the parameter of Procedure.
11. Write syntax of Function.
12. Different between stored Procedure and stored Function.

①

(P.T.O)

Q.3 **[A]** What is purpose of normalization and its process? Explain 1st normal form, 2nd normal form **[10]** and 3rd normal form with example.

OR

Q.3 **[A]** Explain concept of Functional Dependencies. Also List and discuss the consequences of poor **[10]** database design.

Q.4 **[A]** Explain Sequential control with syntax and example. **[05]**

Q.4 **[B]** Explain Case statement with syntax and example. **[05]**

OR

Q.4 **[A]** Explain basic data types in detail. **[05]**

Q.4 **[B]** Explain conditional control with syntax and example. **[05]**

Q.5 **[A]** Explain cursor FOR loop in detail with example. **[05]**

Q.5 **[B]** Explain open, close and fetch statements for explicit cursors with example. **[05]**

OR

Q.5 **[A]** List and explain implicit cursor attributed with suitable example. **[05]**

Q.5 **[B]** List any two exceptions available in Oracle. And explain any one in detail with suitable **[05]** example.

Q.6 **[A]** Explain PL/SQL package with syntax and example. **[05]**

Q.6 **[B]** Explain Procedure with syntax and example. **[05]**

OR

Q.6 **[A]** Explain Trigger with syntax with example. **[05]**

Q.6 **[B]** Explain different parameter used in procedure with example. **[05]**

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