

SEAT No. _____
[37]

SARDAR PATEL UNIVERSITY
BCA SEM : 03 EXAMINATIONS 2021
US03CBCA21 : DATABASE MANAGEMENT SYSTEM - II
13-6-2023, Monday

Time: 12:00 pm to 02:00 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 Do As Directed.

[08]

1. 2-NF form identifies functional dependencies . [T / F]
2. Put_line puts a piece of information in package buffer followed by an end of line marker. [T / F]
3. Implicit cursors are not named. [T / F]
4. A function can must have return statement. [T / F]
5. _____ is not an anomaly for Normalization? [Insert / Update]
6. The _____ section is compulsory in PL/SQL block. [Begin / Exception]
7. A block can have more than one cursor with _____ name. [Unique / Same]
8. _____ trigger execute the trigger action after the triggering statements.
[After / Before]

Q.3 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.

Q.3 [A] Explain Normalization with 1st normal form, 2nd normal form and 3rd normal form.

[32]

[B] Discuss concept of Functional Dependencies. Also List and discuss the consequences of poor database design.

[C] Explain Sequential control with syntax and example.

[D] Explain conditional control with syntax and example.

[E] Explain open, close and fetch statements for explicit cursors with example.

[F] List any two exceptions available in Oracle. And explain any one in detail with suitable example.

[G] Explain Procedure with syntax and example.

[H] Explain Trigger with syntax with example.

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