

Seat No.: _____

No. of Printed Pages: 02

[95]

SARDAR PATEL UNIVERSITY
BCA (Semester 3) Examination - 2022



Subject Code: US03CBCA53 || Subject Title: Database Management System

Date: 10/11/2022 (Thursday)

Time: 02.00 PM To 05.00 PM

Total: 70 Marks

Q.1 Multiple Choice Questions:

[10]

1. _____ normal form identifies transitive dependencies.
[A]. 1-NF [B]. 2-NF [C]. 3-NF [D]. None of Above
2. In which control structure, no need to declare to memory variable?
[A]. While [B]. For [C]. If [D]. All of these
3. _____ of the following is not an anomaly?
[A]. INDEX [B]. Insert [C]. Update [D]. Delete
4. _____ puts a piece of information in the package buffer followed by an end of line marker.
[A]. put_line [B]. dbms_line [C]. put_output [D]. dbms_output
5. Data stored in a cursor is known as _____.
[A]. implicit cursor [B]. active data set [C]. current data set [D]. explicit cursor
6. Fetch statement retrieves _____ rows at a time.
[A]. one [B]. two [C]. three [D]. four
7. _____ exception is raised when the data type or data size is invalid.
[A]. program_error [B]. type_invalid [C]. value_error [D]. none of these
8. A _____ is an oracle object, which holds other objects in it.
[A]. trigger [B]. procedure [C]. function [D]. package
9. _____ trigger execute the trigger action after the triggering statements.
[A]. statement [B]. after [C]. before [D]. row
10. _____ type of parameter used to send values & get values from the stored procedures.
[A]. IN [B]. OUT [C]. IN OUT [D]. None of these

Q.2 Write Short Questions. [Any 10]

[20]

1. Define the term normalization
2. What do you mean by lossless join decomposition?
3. What is transitive dependency explain with example.
4. Draw the PL/SQL block structure.
5. Explain goto statement.
6. Explain the use of EXIT WHEN in brief.
7. Explain SELECT..INTO statement available in PL/SQL.
8. Discuss explicit cursor v/s implicit cursor.
9. Explain in brief: SQLCODE
10. Different between stored procedure v/s stored function.
11. List out the parameter of procedure.
12. List types of trigger.

- Q.3 [A] Define normalization with 1st normal form, 2nd normal form with example. [05]
[B] List and explain any five codd rules in detail. [05]

OR

- Q.3 [A] Explain concept of functional dependencies. [05]
[B] Discuss the consequences of poor database design. [05]

- Q.4 [A] Explain sequential control with syntax and example. [05]
Q.4 [B] Explain basic data types in detail. [05]

OR

- Q.4 [A] Explain case statement with syntax and example. [05]
Q.4 [B] Explain conditional control with syntax and example. [05]

- Q.5 [A] List and explain implicit cursor attributed with suitable example. [05]
Q.5 [B] Explain open, close and fetch statements for explicit cursors with example. [05]

OR

- Q.5 [A] Explain cursor FOR loop in detail with example. [05]
Q.5 [B] What is exception? Write advantages of exception handling in PL/SQL. [05]

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

OR

- Q.6 [A] Explain trigger with syntax with example. [05]
Q.6 [B] Explain procedure with syntax and example. [05]

=====