

[94]



SARDAR PATEL UNIVERSITY  
B.C.A – III<sup>rd</sup> SEMESTER (CBCS) (NC)

DATE: 10/11/2022, Thursday TIME: 02:00 P.M TO 05:00 P.M  
US03BCA21: Database Management System-II

Maximum Marks: 70

**Q:1 Multiple choice questions. [10]**

1. Which normal form identifies transitive dependencies?  
(a) 3 NF (b) 2 NF (c) 1 NF (d) None of these
2. Which of the following is not an anomaly?  
(a) Index (b) update (c) delete (d) insert
3. In which control structure, no need to declare to memory variable?  
(a) for (b) if (c) while (d) none of these
4. A \_\_\_\_\_ marks a sequence of statements that has to be repeated.  
(a) End (b) loop (c) continue (d) goto
5. \_\_\_\_\_ puts a piece of information in the package buffer followed by an end of line marker.  
(a) dbms\_output (b) put\_line (c) dbms\_line (d) output.line
6. Fetch statement retrieves \_\_\_\_\_ rows at a time.  
(a) Two (b) One (c) Three (d) Four
7. Data stored in a cursor is called \_\_\_\_\_.  
(a) Implicit Cursor (b) Current Data Set (c) Actual Data Set (d) None of these
8. \_\_\_\_\_ exception is raised when the PL/SQL has Internal Problem.  
(a) type\_invalid (b) value\_error (c) program\_error (d) none of these
9. A \_\_\_\_\_ is an oracle object, which holds other objects in it  
(a) procedure (b) trigger (c) package (d) function
10. A \_\_\_\_\_ can must have return statement.  
(a) Procedure (b) Cursor (b) Function (c) Trigger (d) Function

**Q:2 Answer the following questions in brief. (Any ten) [20]**

1. What do you mean lossless join decomposition?
2. What is the need of normalization?
3. List out the consequences of poor database design.
4. Explain %type in brief.
5. Write Advantages of PL/SQL.
6. Explain case statement in brief.
7. Explain in brief: SQLCODE
8. Explain SELECT...INTO statement available in PL/SQL.
9. List Implicit cursor attributes.
10. What is row level and statement level trigger?
11. What is Package? List part of package.
12. List out the parameter of Procedure.

[P.T.O]

- Q.3 A What is Normalization? Explain 1 NF, 2 NF and 3 NF with example. [10]  
OR
- Q.3 A List and explain codd rules. [10]
- Q.4 A List and explain any two iterative control with syntax and example. [06]  
B List and explain any three basic data types in detail. [04]  
OR
- Q.4 A List and explain any two conditional control with syntax and example. [06]  
B Explain PL/SQL block in detail [04]
- Q.5 A List pre-determined internal PL/SQL exceptions and explain any four with example. [07]  
B Explain open and close statement. [03]  
OR
- Q.5 A What is cursor? List and explain explicit cursor attributes with syntax and example. [07]  
B Explain raise\_application\_error with syntax. [03]
- Q.6 A Explain stored Procedure with syntax and example. [05]  
B Explain trigger with syntax and example. [05]  
OR
- Q.6 A Explain stored function with syntax and example. [05]  
B Explain package with syntax and example. [05]

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