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Reg. No. :

Code No. : 30534 E Sub. Code : CMCA 53

B.C.A. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2024.

Fifth Semester

Computer Application — Core

RELATIONAL DATABASE MANAGEMENT SYSTEM

(For those who joined in July 2021 and 2022 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. _____ enforce rules on tables.
(a) Data type (b) Raw
(c) Long (d) Constraints
2. In SQL, the _____ statement is used for modifications of data.
(a) UPDATE (b) SELECT
(c) DROP (d) DESC

3. The DELETE operation can be undone with _____ statement.
(a) DROP (b) UPDATE
(c) ROLLBACK (d) TRUNCATE
4. Identify the function is used to suppress duplicate values
(a) SORT (b) DISTINCT
(c) GROUP (d) SUM
5. Which join is joining a table to itself?
(a) Outer-join (b) Self-join
(c) Inner-join (d) Equijoin
6. Name the set operators operation works on output from two separate queries and returns rows that appear in both outputs
(a) Intersect (b) Minus
(c) Projection (d) Union
7. What is the answer from the following expression?
 $-2+3*(10-2*3)/6$
(a) 1 (b) 0
(c) -1 (d) 2

8. _____ variables are declared in the host SQL*Plus environment and are accessed by a PL/SQL block.

- (a) NULL (b) Numeric
(c) Bind variables (d) Character

9. An explicit cursor is declared as _____ statement in the PL/SQL block.

- (a) TCL (b) SELECT
(c) BOOLEAN (d) DATE

10. The SELECT statement must not have an _____ clause in a cursor's declaration.

- (a) INTO (b) GROUP BY
(c) ORDER BY (d) MINUS

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) What is meant by transaction processing?

Or

(b) How do you release all storage space with TRUNCATE statement?

12. (a) Elaborate the arithmetic and relational operations in SQL query.

Or

(b) Determine the sorting operation in SELECT clause.

13. (a) Enumerate the self-join operations in multiple tables.

Or

(b) Write note on index.

14. (a) Illustrate about Anchored Declaration in PL/SQL.

Or

(b) What is the purpose of substitution variable in PL/SQL?

15. (a) Explain the cursor FOR loop using a Subquery.

Or

(b) Write note on PL/SQL Tables.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Enumerate the SQL*Plus file related commands and editing commands.

Or

- (b) Illustrate the altering an existing oracle table with an example.

17. (a) Demonstrate the DELETE command with suitable example.

Or

- (b) How to add new records? Explain.

18. (a) Describe the use of UPDATE and DELETE using a subquery.

Or

- (b) Comment on synonyms.

19. (a) Explain the usage of SQL in PL/SQL.

Or

- (b) Elaborate the data manipulation in PL/SQL.

20. (a) Narrate the exception handling mechanism in PL/SQL.

Or

- (b) Discuss the cursor with parameters with an example.