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(FOR THE CANDIDATES ADMITTED DURING THE ACADEMIC YEAR 2022-23 ONLY)

SUBJECT CODE 22 UCT 308

REG.NO.

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : NOVEMBER – 2023

B.Sc. – COMPUTER TECHNOLOGY **MAXIMUM MARKS: 50**

III SEMESTER **TIME : 3 HOURS**

PART – III

DATABASE MANAGEMENT SYSTEMS

SECTION – A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.
MULTIPLE CHOICE QUESTIONS. **(K1)**

1. An attribute is a _____ in a relation.
   a) Row b) Column c) Value d) Tuple
2. What is Oracle database used for …….
   a) Creating backup for data b) Accessing database servers
   c) Store and retrieve relevant data d) Both a & c
3. _____ returns all rows from both queries, and it displays all duplicate rows.
   a) Union b) Union all c) Intersect d) Minus
4. Which of the following is not a PL/SQL unit?
   a) Table b) Type c) Trigger d) Package
5. _____ is a named set of PL/SQL statements designed to perform an action.
   a) Dictionary b) Stored Procedure c) Procedure d) Functions

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES. **(K2)**

6. What is a foreign key?
7. List the components comprising an Oracle architecture
8. Mention the role of 'Union' operator
9. Which keyword is used instead of the assignment operator to initialize variables?
10. Write the role of '%FOUND' in cursors.

SECTION – B (5 X 3 = 15 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. **(K3)**

11. a) Explain the components of Data Base Management System.

(OR)

b) Describe 3 Normal Forms.

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12. a) Distinguish SQL queries and SQL * Plus commands

(OR)

b) List the data types of SQL and explain

13. a) Show the methods of inserting NULL values.

(OR)

b) Explain the arithmetic operations performed on data

14. a) Show the role of PL/SQL in web applications

(OR)

b) List the Lexical units of PL/SQL and explain

15. a) List the benefits of Triggers in PL/SQL

(OR)

b) Elucidate the types of records in PL/SQL

SECTION – C (5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4 (Or) K5)

16. a) Illustrate Integrity rules and their types

(OR)

b) Elucidate any 5 operations of Relational Algebra

17. a) List the modifications can be and cannot be made in the existing table structure.

(OR)

b) Elaborate table level constraints.

18. a) Give short notes on (i) Wild cards (ii) Sorting

(OR)

b) Explain single-row functions

19. a) Illustrate the PL/SQL block structure

(OR)

b) Illustrate PL / SQL control structures

20. a) Illustrate cursor and its types.

(OR)

b) Illustrate PL/SQL exceptions

ETHICAL PAPER

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