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(FOR THE CANDIDATES ADMITTED

SUB CODE

DURING THE ACADEMIC YEAR 2023 ONLY)

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS: NOVEMBER 2024

B.Sc. IT

MAXIMUM MARKS: 75

SEMESTER III

TIME : 3 HOURS

PART - III

CC –VI : RELATIONAL DATABASE MANAGEMENT SYSTEM

SECTION – A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS. (K1)

1. A person, place event or item in data base is called an _____
a) Entity b) Relation c) File d) Record set
2. The SQL*Plus Command _____ is used for removing all records/rows form the table
a) DELETE b) DISTINCT c) TRUNCATE d) DESTROY
3. Expand DML.
a) Data Maintenance Language b) Data Manipulation Language
c) Direct Manipulation Language d) Distribute Manipulation Language
4. The _____ operator takes output from two queries and returns all rows from both results and the duplicate rows are displayed only once.
a) INTERSECT b) UNION c) MINUS d) SET
5. _____ is a collection of PL/SQL objects, the objects are grouped within BEGIN and END blocks. It contain objects like Cursors, Scalar Variables, variable and Constants.
a) Array b) MultiArray c) Package d) Function

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

6. Define Database
7. Write a short note on Oracle 9i
8. What is the use of DISTINCT Function in SQL?
9. What is the use of JOIN statement in SQL *Plus?
10. Define Varray in PL/SQL

SECTION – B (5 X 5 = 25 MARKS)

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

11. a) Describe the Relational Database Model
OR
b) Narrate in detail about Dependency Diagrams in Data Modeling.
12. a) Narrate in detail about Oracle Table Data types
OR
b) Explain in about Creating an Oracle Table.
13. a) Describe in about Adding a New Row/Record
OR
b) Narrate in about Updating and Deleting an existing rows and record in Oracle
14. a) Describe in about Single Row Sub Queries in Oracle
OR
b) Explain in about Data Manipulation in PL/SQL
15. a) What are the types of Exception in Oracle PL/SQL? – Explain
OR
b) Explain in detail Procedures in PL/SQL

SECTION – C (5 X 8 = 40 MARKS)

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

(K4 (Or) K5)

16. a) Discuss in detail about the Relational Algebra in theoretical relational languages
(OR)
b) Discuss in detail about the Various Normal Forms in RDBMS
17. a) Explain in detail about Altering an Existing Table in Oracle
(OR)
b) Summarise in detail about Oracle SQL *Plus and its Commands
18. a) Interpret in detail about the Single-Row Functions in Oracle and explain
(OR)
b) Conclude in detail about Retrieving Data from a Table using Select in Oracle
19. a) Interpret in detail about the various JOIN types in Oracle
(OR)
b) Conclude in detail about Selection Control Structure in PL/SQL
20. a) Discuss in detail about Cursors and its types in PL/SQL
(OR)
b) Explain in detail about the Triggers in PL/SQL