

(FOR THE CANDIDATES ADMITTED

SUBJECT CODE

24 UCT 308

DURING THE ACADEMIC YEAR 2024-25 ONLY)

REG.NO.

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

END-OF-SEMESTER EXAMINATIONS : NOVEMBER – 2025

B.Sc. – Computer Technology

MAXIMUM MARKS: 75

III SEMESTER

TIME : 3 HOURS

PART – III

DATABASE MANAGEMENT SYSTEMS

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. All the related entities are collected together to form _____.
a) Entity set b) Attribute c) Data model d) relationship
2. A _____ is an infrastructure of hardware and software that enables computers to communicate with each other.
a) Client b) Server
c) Network d) Resource
3. The _____ statement removes rows from a table.
a) ALTER b) DELETE
c) UPDATE d) TRUNCATE
4. The _____ is a join with a join condition involving common columns from two tables.
a) Self-join b) Outer join
c) Equijoin d) Nonequijoin
5. _____ stores the statement and the results returned by execution of that statement.
a) Table b) Database
c) Attribute d) Cursor

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. What is a data?
7. Define optimistic locking.
8. What is DISTINCT Function?
9. What is self-join?
10. Define dynamic cursor.

(CONTD 2)

SECTION – B (5 x 5 = 25 MARKS)

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

(K3)

11. a) Describe the Integrity rules.

(OR)

- b) Write short notes on E-R diagrams.

12. a) How will you create and display a table?

(OR)

- b) How will you alter and drop a table?

13. a) Write short notes on INSERT and UPDATE statements in Oracle.

(OR)

- b) How will you Grouping data in Oracle.

14. a) Describe the anchored variable declaration.

(OR)

- b) Write short notes on Transaction Control Statements in PL/SQL.

15. a) What are the different types of Exceptions in PL/SQL?

(OR)

- b) Write short notes on Trigger in PL/SQL.

SECTION - C (5 X 8 = 40 MARKS)

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

(K4/K5)

16. a) Discuss the Relational algebra in detail.

(OR)

- b) Explain Normal forms in detail.

17. a) What are the different data types in Oracle?

(OR)

- b) Elucidate the constraints in Oracle.

18. a) Explain Sorting data in detail.

(OR)

- b) Discuss the built-in function in detail.

19. a) Explain the selection control structures in PL/SQL in detail?

(OR)

- b) Discuss the looping control structures in PL/SQL in detail.

20. a) Explain the PL/SQL Procedures in detail.

(OR)

- b) Discuss PL/SQL Packages in detail.