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(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2024

ONLY)

24UCS412

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS : MAY 2026

BSC COMPUTER SCIENCE(AIDED & SF)

MAXIMUM MARKS: 75

SEMESTER-IV

TIME : 3 HOURS

PART - III

24UCS412-RELATIONAL DATABASE MANAGEMENT SYSTEM

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. What is DBMS?
 - a) DBMS is a collection of queries
 - b) DBMS is a high-level language
 - c) DBMS is a programming language
 - d) DBMS stores, modifies and retrieves data
2. Tables in second normal form (2NF)_____.
 - a) Eliminate all hidden dependencies
 - b) Eliminate the possibility of a insertion anomalies
 - c) Have a composite key
 - d) Have all non key fields depend on the whole primary key
3. The language used by application programs to request data from the DBMS is referred to as _____.
 - a) DDL b) DML c) Query language d) TCL
4. Which of the following pair of block structures is mandatory to include in a PL/SQL block?
 - a) BEGIN, END
 - b) DECLARE, END
 - c) EXCEPTIONS, BEGIN
 - d) EXCEPTIONS, END
5. How many types of exceptions are present in PL/SQL?
 - a) 4 b) 3 c) 2 d) 5

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Define Entity.
7. What is the use of DDL statement.
8. What is the use of DEFINE Command.
9. Define TCL.
10. What is a Trigger?

(5 X 5 = 25 MARKS)
(K3)

- ## SECTION – C

(5 X 8 = 40 MARKS)

(K4 (Or) K5)

16. a) Elaborate the Relational Algebra .
(OR)
b) Discuss the Entity Relational Model
17. a) Explain 1NF and 2NF with suitable example.
(OR)
b) Discuss the SQL Plus Commands.
18. a) Explain the WHERE Clause, Sorting and Grouping data in SQL.
(OR)
b) Elucidate the Set Operations in SQL.
19. a) Discuss the Block Structure of PL/SQL
(OR)
b) Discuss the Control Structures in PL/SQL.
20. a) Describe the Implicit & Explicit Cursors.
(OR)
b) With suitable example explain Trigger.
