

(FOR THE CANDIDATES ADMITTED  
DURING THE ACADEMIC YEAR 2023

ONLY)

REG.NO.

23UCS412

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI**  
**END-OF-SEMESTER EXAMINATIONS : MAY 2025**

**B.Sc.Computer Science(Aided&Sf)**

**MAXIMUM MARKS: 75**

**SEMESTER-IV**

**TIME : 3 HOURS**

**PART - III**

**23UCS412-RELATIONAL DATABASE MANAGEMENT SYSTEM**

**SECTION – A**

**(10 X 1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**(K1)**

1. What is DBMS?
  - a) Collection of queries
  - b) High-level language
  - c) Programming language
  - d) Used to store modify and retrieve 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 that depend on the whole primary key
3. To request data from the DBMS \_\_\_\_\_ is used.
  - 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 do you mean by DDL.
8. What is the use of DEFINE Command.
9. Define TCL.
10. Interpret the Triggers.

**Ethical paper**

**(CONT...2)**

**SECTION – B**  
**ANSWER THE FOLLOWING QUESTIONS.**

**(5 X 5 = 25 MARKS)**  
**(K3)**

11. a) Interpret the Relational Database Model.  
(OR)  
b) Describe the Relational Calculus.
12. a) Examine the Client/Server Databases.  
(OR)  
b) Summarize the Data types in Oracle SQL with example.
13. a) Interpret the DML Commands in SQL.  
(OR)  
b) Discover the Case Structure in SQL.
14. a) Describe the Data types in PL/SQL.  
(OR)  
b) Summarize the Nested Blocks in PL/SQL.
15. a) Describe the Cursor FOR Loops.  
(OR)  
b) Determine the Types of Exceptions in PL/SQL.

**SECTION – C**

**(5 X 8 = 40 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**(K4 (Or) K5)**

16. a) Interpret the Relational Algebra .  
(OR)  
b) Discuss the Entity Relational Model.
17. a) Classify the Normal forms with suitable example.  
(OR)  
b) Discuss the SQL Plus Commands.
18. a) Interpret the WHERE Clause, Sorting and Grouping data in SQL.  
(OR)  
b) Interpret the Set Operations in SQL.
19. a) Sketch the Block Structure of PL/SQL  
(OR)  
b) Discuss the Control Structures in PL/SQL.
20. a) Justify the Implicit & Explicit Cursors and Attributes.  
(OR)  
b) Elaborate on Procedures and Functions.

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