

**(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2023 ONLY)**

23UBC307

REG.NO. :

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : NOVEMBER-2024
COURSE NAME: B.C.A
SEMESTER: III**

**MAXIMUM MARKS: 75
TIME : 3 HOURS**

**PART - III
RELATIONAL DATABASE MANAGEMENT SYSTEM AND ORACLE**

SECTION – A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. What is the full form of DBMS?

a) Data of Binary Management System	b) Database Management System
c) Database Management Service	d) Data Backup Management System
2. Relational Algebra is a _____ language.

a) Non procedural	b) procedural	c) natural	d) none of these
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3. Which forms have a relation that contains information about a single entity?

a) 4NF	b) 2NF	c) 5NF	d) 3NF
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4. Which of the following is not a type of SQL statement?

a) DML	b) DLL	c) DDL	d) DCL
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5. Triggers are not supported for _____.

a) Delete	b) Update	c) Views	d) Insert
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ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. Define Entity.
7. What is Primary key?
8. Define Constraints.
9. What does SQL stands for?
10. List any two data types.

SECTION – B (5 X 5 = 25 MARKS)

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

11. a) Write down the purpose of database.

(OR)

b) List the design issues of Entity relational model.

12.a) Describe the different types of relationship.

(OR)

b) Examine the Tuple Relational Calculus.

(CONTD.....2)

13.a) Explain the Referential Integrity. **(OR)**
 b) Discuss BCNF.

14.a) How do you insert a record in oracle? **(OR)**
 b) List the various DDL commands.

15.a) Write a note on error handling PL/SQL. **(OR)**
 b) What are built in functions 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) Explain the Database System Structure. **(OR)**
 b) Discuss the ER diagram with example.

17.a) Explain in detail relational Algebra. **(OR)**
 b) Determine the Modification of Database.

18. a) Discuss in detail Domain Constraints. **(OR)**
 b) Describe the various normal forms.

19.a) What are the various data types available in oracle? Explain. **(OR)**
 b) Explain the following:
 (i) Table creation
 (ii) Drop a table.

20.a) Explain Control structures in SQL. **(OR)**
 b) Discuss the Types of Triggers.
