

**(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2021 ONLY)**

21UCC308

REG.NO. : _____

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

END-OF-SEMESTER EXAMINATIONS: DECEMBER-2022

COURSE NAME: B.Com.-C.A

MAXIMUM MARKS: 70

SEMESTER: III

TIME : 3 HOURS

**PART - III
RELATIONAL DATABASE MANAGEMENT SYSTEM**

SECTION - A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. IMS stands for _____.
a. Information Management System
b. Internal Mechanical Security
c. International Manager Society
d. Internal Management System
2. Which of the following constraint represents relationship on values between entities?
a. Type b. Range c. Relationship d. Temporal
3. Choose which is resolved in a top-to –bottom fashion _____.
a. Nested Sub-query b. Correlated Sub-query
c. Parallel Sub-query d. Sub-query
4. Which of the following is not a set operator?
a. UNION b. INTERSECT c. LIKE d. MINUS
5. Which of the following statements can be used to terminate a PL/SQL loop?
a. GOTO b. EXIT WHEN c. CONTINUE WHEN d. KILL

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. What is Database?
7. Define DB Schema.
8. Show the characteristics of SQL,
9. What is the use of SELECT Statement?
10. Write the difference between Triggers and Constraints?

SECTION – B (5 X 4 = 20 MARKS)

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

11. a) Explain ER Model.

(OR)

b) Examine functional dependency and write the examples.

12. a) Compute the terminologies used in RDBMS.

(OR)

b) Interpret the logical and physical data independence and their importance in DB design.

13. a) Explain Transaction Control Statement with examples.
(OR)
b) Determine the Data Definition Language Command with examples.

14. a) Distinguish between COUNT() and COUNT(*)
(OR)
b) Assess the purpose of the GROUP BY Clause in the SELECT Statement.

15. a) Write a PL/SQL Script to display the following series of numbers: 99,96, 93.....,9,6,3.
(OR)
b) Examine PL/SQL Block.

SECTION - C**(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS****(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS
(FROM Qn. No : 17 to 21) (K4 (Or) K5)**

16. Prepare Codd's Rule.
17. Summarise Normalization and its different normal forms.
18. Evaluate the category of SQL Command.
19. Develop a program to create a table for Students details.
20. Construct the syntax of the SELECT Statement and its various options.
21. Formulate in detail notes on COMMIT, ROLLBACK and SAVEPOINT.
