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Name: .....

Reg.No: .....

**FOURTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, APRIL 2021**

(CBCSS - UG)

**CC19U BCS4 B05/CC19U BCA4 B05 - DATABASE MANAGEMENT SYSTEMS AND RDBMS**

(Computer Science/Computer Application - Core Course)

(2019 Admission - Regular)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

**Part A (Short answer questions)**

Answer *all* questions. Each question carries 2 marks.

1. List any four database users.
2. Define DDL.
3. What is database schema?
4. Define Attribute in relational model.
5. Explain Functional Dependency.
6. What is candidate key? What is the difference between primary key and candidate key?
7. Write the query for delete table content of "student" without its structure.
8. Define select command with example.
9. Define composite query with example.
10. Define concurrency.
11. Define delete statement.
12. Write any two advantages of stored procedure.

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Give a detailed note on EER.
14. Describe aggregate functions in detail.
15. Explain insertion anomaly with example.
16. Explain Multivalued Dependencies and Fourth Normal Form.
17. Define aggregate functions with example.
18. What is view? How to create and destroy view?
19. Explain ACID property.

**(Ceiling: 30 Marks)**

**Part C** (Essay questions)

Answer any *one* questions. Each question carries 10 marks.

20. Describe File System and Database management System.
21. What are the main difference between Relational data model and ER model .Explain ER model.

**(1 × 10 = 10 Marks)**

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