20U428

Name: ....

Reg.No: ....

FOURTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, APRIL 2022
(CBCSS - UG)

(Regular/Supplementary/Improvement)

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

(Computer Science / Computer Application - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)
Answer *all* questions. Each question carries 2 marks.

1. Write any four database users.

2. Define DCL.

3. What is week entity?

4. What is domain relational calculus? Give an example.

5. What is candidate key? What is the defference between primary key and candidate key?

6. Define fifth normal form.

7. Define any two aggregate functions.

8. Write command for creating view.

9. What is composite attributes?

10. Explain concurrency.

11. Define dead lock.

12. Write the syntax for delete a trigger.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)
Answer *all* questions. Each question carries 5 marks.

13. Define concepts of EER.

14. Explain tuple and attribute with example.

15. Explain anomalies in a Database with example.

16. Explain First and second normal form with example.

17. Explain DCL, DQL and TCL commands.

18. Differentiate Primary key, foreign key and candidate key.

19. Explain ACID property.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Differentiate file system and database management system.

21. Explain Different data models in detail.

(1 × 10 = 10 Marks)

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