

22U413

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Name:

Reg.No:

FOURTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, APRIL 2024

(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. List functions of DBA.
2. Define data definition language.
3. Define reference key.
4. Define Domains in relational model.
5. Explain Updation Anomaly.
6. State join dependency.
7. Define Create statement with example.
8. Define constraint with example.
9. What is composite query?
10. What do you mean by concurrency?
11. Define delete statement.
12. What is trigger?

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Explain constraints.
14. Give a short note on Relational algebra.
15. Explain functional dependencies.
16. Explain BCNF.

17. Describe aggregate functions with example.
18. Give a detailed note on group by and order by statements with example.
19. What is ACID properties of transaction? Explain.

(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)
