21U413

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Name: ....

Reg.No: ....

FOURTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, APRIL 2023

(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 DML.

3. List different type of constraints.

4. Define Records in relational model.

5. Define candidate key.

6. Define fourth normal form.

7. Define select command with example.

8. Write command for creating view.

9. What is composite query?

10. Explain concurrency.

11. Write the syntax of delete statement.

12. Give 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. Give a short note on Relational algebra.

15. Explain Updation anomaly with example.

16. Explain First and second normal form with example.

17. Explain create and insert statement with example.

18. Explain aggregate functions.

19. Explain desirable properties of transaction.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Explain File System and DBMS in detail.

21. What are the main differences between Relational data model and ER model? Explain ER model.

(1 × 10 = 10 Marks)

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