FOURTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, APRIL 2025

(CBCSS-UG)

(Regular/Supplementary/Improvement)

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

(Computer Science / Computer Application - Core Course)

(2019 Admission onwards)

Time: 2 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 data definition language.

3. What is attribute. Give two example.

4. Define Key attributes.

5. Define Normalization.

6. State boyce codd normal form.

7. Define Create statement with example.

8. How to destroy view?

9. List any four data types.

10. What do you mean by concurrency?

11. Define lock.

12. What are the advantages of stored procedure?

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Define tuple and attribute with example.

14. Explain TRC and DRC in detail.

15. Describe insertion and deletion anomolies with example.

16. Explain Fifth Normal Form in detail.

17. Explain primary key, foreign key and candidate key.

18. Explain set operations with example.

19. Write a short note on ACID properties.

<div align="right">**(Ceiling: 30 Marks)**</div>

Part C (Essay questions)

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

20. Describe File System and Database management System.

21. What is data model? Give a detailed note on all data models.

<div align="right">**(1 × 10 = 10 Marks)**</div>

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