

**Third Semester FYUGP Degree (Reg) Examination November  
2025**

**KU3DSCCSC205 - RDBMS**

2024 Admission onwards

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Time : 1.5 hours

Maximum Marks : 50

**Section A**

**Answer any 6 questions. Each carry 2 marks.**

1. Understand the working of Strcmp with an example.
2. Discuss the need of Floor and Ceil
3. What is the relation between attribute and domain?
4. What do you mean by attribute.
5. Explain the concept of transitive dependency in the context of database normalization
6. Explain the use of the Logical AND operator with an example.
7. List any three advantages of using a DBMS.
8. Explain One-to-One Cardinality with an example?

**Section B**

**Answer any 4 questions. Each carry 6 marks.**

9. Explain the concept of Boyce-Codd Normal Form (BCNF). Analyze and differentiate it from 3NF, providing an example where a relation is in 3NF but not in BCNF.
10. Generate the steps required to convert a relation from 2NF to 3NF. Provide a suitable example to illustrate the process.
11. What is the use of select, from, where clauses in SQL? Explain in detail.
12. Discuss the role of different Database users.
13. Differentiate physical data independence and logical data independence
14. Compare Hierarchical, Network model

**Section C**

**Answer any 1 questions. Each carry 14 marks.**

15. Write a detailed note on various types of inner join with suitable example.
16. Evaluate all relational algebra operations with example : Set difference, Rename and Cartesian