

23P335

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Name:

Reg.No:

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P CSS3 C11 - ADVANCED DATABASE MANAGEMENT SYSTEM

(Computer Science)

(2019 Admission onward)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Discuss about different users in Database Management System.
2. Describe Selection and projection operation in Relational algebra.
3. With the help of suitable example explain 1NF, 2NF and 3NF.
4. Explain foreign key and its importance in table.
5. What are the different range searching operators in SQL?
6. What are the different levels of locks?
7. What is granularity?

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Express the details of different integrity constraints.
9. What is the need for decomposition of a table in DBMS? Explain.
10. Compare Project Join Normal Form and Domain Key Normal Form.
11. How to modify the structure of the tables?
12. With suitable example explain inner join and outer join
13. Write notes on Stored Procedures with example.
14. Describe ACID properties of a transaction with suitable example.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Draw and explain an E-R Diagram for the Company database with proper Entities and Attributes.
16. Describe serializability and its different categories.

17. Describe OODBMS concepts ,needs for OODBMS and issues on OODBMS.

18. Describe the distributed database concepts and types of distribution.

(2 × 5 = 10 Weightage)
