

D 31115

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Name.....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2022**

(CBCSS)

Computer Science

CSS 3C 11—ADVANCED DATABASE MANAGEMENT SYSTEMS

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

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

1. What do you mean by network data models ?
2. Define normalisation.
3. Write the purpose of Alter table command in in SQL.
4. What is strict schedules in transaction management ?
5. What is database recovery ?
6. Identify the significance of cursors in DBMS?
7. What are triggers ?

(4 × 2 = 8 weightage)

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

8. Write a short note on relational data models.
9. Illustrate lossless join with an example.
10. Write the use of Set command in SQL with an example.
11. List the properties of object oriented database management systems.
12. Compare Object Oriented Database Management Systems and DBMS.

Turn over

13. Write the disadvantages of Object Oriented Database Management Systems.

14. How can the select statement be used for pattern matching purpose ?

(4 × 3 = 12 weightage)

Section C

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

15. Consider the table student, mark and school. Draw the ER diagram for these tables with proper relationships.

16. Explain how the second and third normal forms are different. Include sufficient examples in your explanation.

17. Elaborate on acid properties in transaction management.

18. Do you think that Object Oriented Database Management Systems and Distributed database systems are necessary in all the real life situations ? Explain with suitable examples.

(2 × 5 = 10 weightage)