19P336   (Pages: 1)   Name……………………...

Reg. No…..………………

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2020
(CUCSS-PG)
CC19P CSS3 C11 - ADVANCED DATABASE MANAGEMENT SYSTEM
(Computer Science)
(2019 Admission Regular)

Time: Three Hours   Maximum: 30 Weightage

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

1. What is homogenous and heterogeneous database.

2. Give the different database languages.

3. Explain the transaction states.

4. Describe the need for OODBMS.

5. Explain SQL data types.

6. Define JOIN.

7. Explain multivalued dependency.

(4 x 2 = 8 Weightage)

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

8. Classify different data models.

9. Explain pattern matching and range searching with example.

10. Explain Cursor.

11. Discuss distributed data storage.

12. Explain serializability, with an example.

13. Explain how atomicity and durability implemented in database system.

14. State extended ER features.

(4 x 3 = 12 Weightage)

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

15. Give an overview of relational algebra.

16. Define normalization, explain 1NF,2NF,3NF with example.

17. How to create trigger in Pl/SQL, simulate with an example.

18. Explain two phase commit protocol.

(2 x 5 = 10 Weightage)

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