

*Total No. of Questions :8]*

*[Total No. of Printed Pages : 2*

**Roll No .....**

**MCADD-603**

**M.C.A. (Integrated), VI Semester**

**Examination, November 2023**

**Advanced DBMS**

***Time : Three Hours***

***Maximum Marks : 70***

***Note:*** i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What is semantic rule in DBMS? Explain.  
b) What is the difference between object store and database?
2. a) What is the concept of pipelining?  
b) How does distributed databases get into deadlock?
3. a) What is Saga transaction? Explain.  
b) What is weak level of consistency in DBMS?
4. a) What is trigger and its types in DBMS?  
b) What are the different types of recovery in DBMS?
5. a) What is spatial relationship in DBMS?  
b) Why is XML used in DBMS? Explain.
6. a) What is object reference in DBMS? Also explain reference equality.  
b) What is fragmentation and replication in DBMS?

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7. a) What is save points in SQL explain with example?  
b) What is strong and weak consistency? Explain with example.
8. Write short notes on :
  - i) Multi-level recovery
  - ii) Color Histograms
  - iii) Multilevel Transactions
  - iv) SQL3

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