

R17**Code No: 845AD****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA V Semester Examinations, July/August - 2021****DISTRIBUTED DATABASES****Time: 3 Hours****Max.Marks:75**

Answer any five questions
All questions carry equal marks

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1. What is Distributed Database? List and briefly explain advantages of Distributed database with centralized approach. [15]
2. Define Transparency. Explain in detail about the layers of transparencies in distributed database design. [15]
- 3.a) Discuss how query optimization is useful in distributed databases.
b) Explain about Semi-joins with example. [8+7]
4. What is meant by semantic query optimization? How does it differ from other query optimization techniques? [15]
5. What is Transaction? Explain the properties of Transactions with example. [15]
6. Explain different optimistic methods for distributed concurrency control. [15]
7. Explain the following
a) Checkpoints b) Cold Restart. [7+8]
8. Explain about Transaction and Computation Model for Distributed Multi-DBMS in detail with an example. [15]

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