

R09

Code No: C2509

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M. TECH I SEMESTER EXAMINATIONS APRIL/MAY-2012**

**DISTRIBUTED DATABASES
(SOFTWARE ENGINEERING)**

Time: 3hours

Max.Marks:60

**Answer any five questions
All questions carry equal marks**

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- 1.a) What are the motivations that lead for developing Distributed Databases?
b) Explain Fragmentation with examples.
- 2.a) Write notes on Fragment Queries and Global Queries.
b) Explain Distributed Grouping and Aggregate Function Evaluation.
- 3.a) What are the problems in Query Optimization? Explain.
b) Explain Join queries with example.
- 4.a) What are the goals of Transaction Management?
b) Write notes on recovery in Centralized systems.
- 5.a) Explain Serializability in Distributed databases.
b) Write notes on Distributed Deadlock Detection.
- 6.a) Explain Reliability with example.
b) Write notes on Resolution of Inconsistency.
- 7.a) Briefly explain the contents of Catalog in Distributed Databases.
b) Explain 2-phase commitment protocol.
8. Write short notes on any three of the following:
 - a) Distributed Object storage.
 - b) Transaction as Objects.
 - c) DataBase Integration.
 - d) PUSH-Based Technologies.
