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.

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