

**Code No: C2509****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****M.Tech I - Semester Examinations March/April-2011****DISTRIBUTED DATA BASES  
(SOFTWARE ENGINEERING)****Time: 3hours****Max.Marks:60****Answer any five questions  
All questions carry equal marks****- - -**

1. What are the features of distributed databases? Explain. [12]
2. a) Give a brief account on a framework of query optimization.  
b) Explain basic SDD-1 algorithm. [12]
3. Explain 2-phase commitment protocol. [12]
4. a) Write notes on concurrency control based on locking in centralized databases.  
b) Give a brief account on distributed deadlocks. [12]
5. a) Define Reliability. Write notes on nonblocking commitment protocols.  
b) Write notes on redundant databases and nonredundant databses. [12]
6. a) What are the various methods that a catalog can be allocated in the distributed databases.  
b) Write short notes on site-to-site protection. [12]
7. a) Give a brief account on pointer swizzling.  
b) Explain query execution with an example. [12]
8. a) Explain Multi database concurrency control.  
b) Write short notes on PUSH-Based technologies. [12]

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