

Code :07A50503

RA

III B.Tech II Semester(R07) Regular & Supplementary Examinations, April/May 2011

DISTRIBUTED DATABASES

(Information Technology)

(For students of RR, R05 regulation readmitted to III B.Tech II Semester R07)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. What are the principles of distributed databases?
2. (a) What is an operator graph? Explain with an Example?
(b) How a common Sub expression can be determined? Explain with an example?
3. (a) Describe about the reduction of relations using semi-joins.
(b) Explain about post optimization.
4. Describe the Atomicity of Distributed Transaction.
5. (a) Discuss distributed deadlock prevention approaches.
(b) List and explain the rules applied by basic timestamp mechanism.
6. List and explain the problems which arise in designing a reliable distributed database system.
7. Discuss object server architecture and page server architecture in detail.
8. Explain multi database concurrency control algorithms in detail.
