

R09

Code No: C4006

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH I SEMESTER EXAMINATIONS, APRIL/MAY-2012
ADVANCED DATABASES AND DATA MINING
(INFORMATION TECHNOLOGY)**

Time: 3hours

Max.Marks:60

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

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1. Explain the architecture of distributed data bases and its components.
- 2.a) Compare and contrast centralized query optimization with distributed query optimization.
b) List the applications of distributed data base system.
3. Explain various time stamp-based concurrency control algorithms.
4. What is meant by association analysis? Write brief note on dynamic item set counting algorithm.
5. What is cluster analysis? State and explain any two categories of clustering algorithms
6. Explain web usage mining and its essential components.
7. What is deadlock? Discuss the methods for handling deadlocks
8. Write short notes on
 - a) Spatial mining
 - b) Time series analysis
