

Code: R7420504

R7

B.Tech IV Year II Semester (R07) Supplementary Examinations, March/April 2013

DISTRIBUTED DATABASES

(Computer Science and Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions

All questions carry equal marks

- 1 What is difference between distributed databases and centralized databases?
- 2 (a) State and explain the criterion that is used to distribute grouping and aggregate function evaluations appearing in a global query.
(b) The distributed computation of aggregate functions is an important property in distributed databases. Justify with an example.
- 3 (a) Describe about the post optimization.
(b) Explain about the merge scan method.
- 4 Explain 2-phase locking protocol with an example.
- 5 Discuss about time and timestamps in a distributed databases.
- 6 List and explain the problems which arise in designing a reliable distributed database system.
- 7 (a) Write a note on characteristics of object model that form the base for design issues of distributed database system.
(b) Explain avoidance-based algorithms for cache consistency.
- 8 Explain multi database concurrency control algorithms in detail.
