R7

Code: R7420504

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
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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.

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