R7

III B.Tech I Semester(R07) Supplementary Examinations, May 2011
DISTRIBUTED DATABASES
(Information Technology)

Time: 3 hours

Answer any FIVE questions
questions carry equal marks
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Max Marks: 80

1. Explain features of distributed versus centralized databases.

2. (a) Explain canonical expression of a fragment query.

   (b) What is qualified relation and qualification of a qualified relation ? Explain with an Example.

3. Explain about the determination of semi-join programs in SDD-1.

4. Define recovery in centralized system.

5. (a) Describe deadlock detection using centralized or hierarchical controllers.

   (b) Explain occurrence of deadlock with conservative timestamps.

6. Explain in detail the concept of checkpoints and cold restart.

7. (a) Write a detail note on page server architecture.

   (b) Explain detection- based algorithms for cache consistency.

8. Explain multi database concurrency control algorithms in detail.

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