R09

Time: 3hours   Max.Marks:60

Answer any five questions
All questions carry equal marks
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1.   Discuss in detail the technical aspects of database administration in a distributed environment.

2.a)   Describe the classification of optimization algorithm.
  b)   Discuss a model for query optimization.

3.   Explain multi database concurrency control algorithms in detail.

4.   Describe the model of a distributed transaction and architectural aspects of distributed transaction.

5.   Give an example of global schema, fragmentation schema and additional semantic knowledge, such that all this information can be used for deducing the simplification of a query.

6.   Explain use of joins as a query processing tactic in distributed Multi-DBMSS.

7.   Discuss issues in Distributed Database Design.

8.   Analyze the behavior of 2-phase commitment protocol in the presence of different kinds of failures.

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