MSIT 41 (OS)

IV Semester M.Sc. (I.T.) Examination, June/July 2010
DISTRIBUTED DATABASE
(Old Syllabus)

Time : 3 Hours Max. Marks : 75

PART – A

Answer **all** questions from Part **A** : **(10×2+5×1=25)**

1. Define Error rate.
2. Define presentation layer.
3. What is workstation ?
4. Write a note on ATM technology.
5. What are 2 commonly used network topologies for constructing LAN ?
6. What is fault tolerance ?
7. Define Global schema and fragmentation schema.
8. What is the concept of redundancy ?
9. List the various forms of transparencies expected in DCS.
10. What is Hybrid model ?
11. Expand the following :
    a) Query Optimizer
    b) Dead Lock
    c) Join Graph
    d) Clock Drift
    e) Berkely Algorithm.

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PART – B

Answer **any five** questions : **(5×10=50)**

1. With a neat diagram explain the architecture of OSI model.
2. Explain the different data fragmentation techniques with an example.
3. What is a Query processor ? Explain the characteristics of Query processor.
4. Explain the detailed structure of DDBMS.
5. Describe the framework for a distributed database design.
6. Explain ring based algorithm.
7. Write a note on :
   a) Data Localization
   b) Election algorithm.
8. Describe Top-down and Bottom up approach with an example.

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