R09

B.Tech III Year II Semester (R09) Supplementary Examinations May/June 2017
DISTRIBUTED SYSTEMS
(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1   (a)   What is the need for concurrency in a distributed system? How it is achieved?
    (b)   What is transparency? What are the different kinds of transparency?

2   (a)   What is RMI software? Explain.
    (b)   How the Remote objects are activated? Explain.

3   (a)   What are DNS source records?
    (b)   How the Navigation and Query processing are done in DNS?

4   With the help of an algorithm, explain casual ordering.

5   (a)   List out and explain locking rules for nested transactions with example.
    (b)   How non-serially equivalent operations of transactions are executed? Explain with example.

6   Describe the role of recovery manager in two phase commit protocol.

7   List out the features of TLS. Explain protocol stack.

8   (a)   How language mapping is presented in CORBA? Explain with example.
    (b)   Explain the procedure to integrate CORBA with web services.

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