Code: 9A05604

B.Tech III Year II Semester (R09) Regular & Supplementary Examinations May/June 2015

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   What are the alternatives to client/ server systems? Explain.

2 (a) What is reflection in java RMI?
   (b) What are the java classes supporting RMI?

3   Write the Pastry's routing algorithm and explain it.

4   Explain Berkeley algorithm for internal synchronization of clocks.

5   Briefly discuss simple synchronization without transactions.

6   What are the tasks of recovery manager? Discuss different transaction states performed by server.

7 (a) Discuss the list of properties regarding digital documents.
   (b) Explain TLS record protocol. List out its disadvantages.

8   Briefly discuss CORBA client and server programs with example.

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