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Roll No ....

IT-6005(2) (CBGS)
B.E. VI Semester
Examination, May 2019
Choice Based Grading System (CBGS)
Distributed System

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What are the design issues to be considered in designing Distributed Systems? Explain in detail about each of them.   7

    b) Discuss in detail about the examples (any two) of Distributed Systems.   7

2. a) List the various challenges in Distributed System and explain them.   7

    b) How resource sharing is done in Distributed Systems? 7

3. a) With a simple case study, explain the concept of distributed deadlock.   7

    b) What are different deadlock handling strategies? Explain a distributed deadlock detection algorithm.   7

4. a) Give a brief note on agreement protocols.   7

    b) Describe the various RPC protocol supporting client server communication.   7

5. a) What is RMI? How it is implemented? Write notes on JAVA RMI.   7

    b) Describe in detail about Andrew file system in detail. 7

6. a) How concurrency control is possible in distributed transactions? http://www.rgpvonline.com   7

    b) Define fault tolerant. Describe in brief the methods to guard the system against different kinds of faults.   7

7. a) Elaborate on any three election algorithms. Use diagram wherever necessary.   7

    b) Explain destination based routing algorithm with suitable example.   7

8. a) Describe in detail about wave and traversal algorithm. 7

    b) Write short note: 7

       i) CORBA

       ii) Assignment Problem in Parallel (APP)

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