Roll No .....

CS-7001 (CBGS)

B.E. VII Semester

Examination, November 2018

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) Why would you design a system as a distributed system? List some advantages of distributed system.

   b) Discuss the Architecture of distributed system.

2. a) Discuss the major issues in designing a distributed system. https://www.rgpvonline.com

   b) Describe the various RPC protocol supporting client server communications.

3. a) Discuss the Architecture of distributed shared memory.

   b) Explain the concept of File catching scheme and Fault tolerance. https://www.rgpvonline.com

4. a) What is election Algorithm? Suppose that two processes detect the demise of the coordinator simultaneously and both decide to need an election using the bally Algorithm, What happens?

   b) What is distributed mutual exclusion and briefly explain the requirement of mutual exclusion Algorithm?

5. Explain the various distributed deadlock Algorithms with the help of suitable examples. Also compare the performance of the various Algorithms. https://www.rgpvonline.com

6. a) Now does the communication between distributed object take place. Describe the related issues.

   b) Define and explain briefly Homogeneous and Heterogeneous DDBMS.

7. a) What is the need of clock synchronization in distributed system?

   b) Explain the different component of Load distributing Algorithms. https://www.rgpvonline.com

8. Write a short notes (any two):

   i) Distributed multimedia.

   ii) Thrashing.

   iii) File sharing semantics.

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