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1st SEMESTER

SUPPLEMENTARY EXAMINATION

CO-551 Subject: Distributed System

Time: 3:00 Hours

Roll No.....

M.TECH. [CSE]

(February- 2019)

Max. Marks: 100

Note: Attempt any five questions. All questions carry equal marks.

- 1.(a) What is Distributed Computing System? Describe its different models.
- (b) What are different types of distributed file architectures? Give example.

- 2.(a) Explain the advantage of three phase commit.
- (b) What are client centric models?

- 3.(a) Describe the RPC in detail.
- (b) What are Kerberos authentication?

- 4.(a) What are virtual synchrony and how it does relate to atomic multicast.
- (b) What is scalable Reliable multicasting?

5. (a) Explain mechanisms of access control.
- (b) Briefly describe clock synchronization.

- 6.(a) Briefly describe the mutual exclusion and Election Algorithm.
- (b) What are different failure models.

7. Write short notes on any four:
 - i. NFS(Network file system)
 - ii. Superpeers
 - iii. Logical clocks
 - iv. Digital signature.