

Roll No

IT-6005(2) (CBGS)**B.E. VI Semester**

Examination, May 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) What is distributed system? Give an example of distributed system.
b) What is distributed? Explain the different types of distributed transparencies.
2. a) Explain different clock synchronization algorithms.
b) What are the difference between message passing and shared memory system?
3. a) What is meant by deadlock? What are the necessary conditions for deadlock.
b) Explain distributed deadlock management.
4. a) What is RPC? Explain RPC implementation and communication protocols.
b) What are the characteristics of distributed file system? How is synchronization achieved in DFS?

5. a) What are nested transaction and what is their role in a distributed system?
b) Discuss concurrency control in distributed transaction.
6. a) Discuss Election Algorithm with example.
b) Write a short notes on Deadlock free packet switching.
7. a) Discuss wave and traversal algorithms.
b) Explain destination based routing.
8. Write short notes on any two: rgpvonline.com
a) Agreement protocols
b) Fault-tolerant services
c) Group communication
