University IMP Questions (Module 1,2 and 3)

1. What are various system models of distributed system.

2. What are various issues in distributed computing?

3. State the goals of distributed system.

4. Differentiate between message oriented and stream oriented communication.

5. Describe any one method of Logical Clock synchronization with the help of an example.

6. Justify how ricarts agrawala algorithm optimized the message overhead in achieving mutual exclusion.

7. Give the example for the following message communication models
   a. Transient synchronous
   b. Response based synchronous communication
   c. Transient asynchronous
   d. Persistence asynchronous
   e. Receipt based communication.

8. Write short notes on RPC and RMI.

9. Explain the concept of Remote Procedure Call.

10. Explain Berkeley physical clock algorithm.

11. What is Remote procedure call ? Explain the working of RPC in detail.

12. Explain Bully election algorithm.

13. Describe architectural model of Distributed system with neat diagrame.

14. Explain Lamports Distributed Mutual algorithm.

15. Describe any one election algorithm in detail with an example.

16. Write short notes on Election Algorithm.

17. Explain in the software concept of distributed system.

18. What are the different models of middleware.

19. Explain the difference between Data Centric and Client centric consistency models. Explain on model each.

20. What are the desirable features of good distributed file system?