

ANJALAI AMMAL MAHALINGAM ENGINEERING COLLEGE
KOVILVENNI – 614 403
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Important Questions - 6th Semester

CS6601 Distributed Systems

Unit I-V

1. Explain various challenges of distributed systems.
2. Explain various trends of distributed systems.
3. Discuss on WWW as an example to illustrate the concept of resource sharing, client and server.
4. Explain (a) RPC (b) Group Communication.
5. What is RMI? Explain the implementation of RMI.
6. Discuss on publish subscriber system.
7. Discuss distributed shared memory techniques.
8. Explain the Requirements of distributed file systems in detail.
9. Explain about the Andrew File Systems.
10. Discuss name resolution and name space implementation.
11. Explain the following (a) Napster and its legacy (b) Peer to peer Middleware.
12. Discuss (a) LDAP (b) File system architecture (c) Pastry (d) Tapestry.
13. Explain about the Richart Agarwala's algorithm in detail.
14. Explain about the concept of Transaction and concurrency control.
15. Discuss atomic commit protocols with example.
16. Explain Chandy and Lamports snapshot algorithm for determining the global states of distributed systems.
17. Discuss (a) Timestamp ordering (b) various types of Election algorithms.
18. Explain about Multicast Synchronization with Maekawa's Voting algorithm.
19. What is thread? explain thread models, issues in threading and implementation.
20. Explain (a) Load Sharing approach (b) Task Assignment approach.
21. Discuss process management, migration and its mechanisms.