

## Unit IV-Chapter 2

1. Explain any two types of multiprocessors.
2. Explain UMA multiprocessors with Bus-based architecture.
3. What is mean by Cross Bar Switches?
4. Explain 2\*2 multistage network.
5. Explain the terms:
  - a) Multicore Chips
  - b) Manycore Chips
6. Explain Master-Slave Multiprocessors.
7. Write a short note on Multiprocessor Synchronization.
8. What is time sharing and smart scheduling in Multiprocessor scheduling?
9. Which are three parts of gang scheduling?
10. Explain Switch multicomputers.
11. What is mean by bus based multicomputers low-level communication software?
12. Explain method of user level communication software.
13. Compare Blocking versus Non Blocking calls.
14. Give Remote Procedure Call (RPC) working steps.
15. What is distributed shared memory? Give its advantages.
16. Explain Load Balancing algorithms.
17. Explain Ethernet.
18. Give distributed system characteristics.
19. What is mean by Network Services and Protocols?
20. Explain the directory Hierarchy in File system based middleware.
21. What are semantics of file sharing?
22. Write a note on Document based middleware.
23. Write a note on Object based middleware
24. Give the applications of publish-subscribe systems.