Probable Oral Questions for LP-V

1. What is socket Programming
2. What do you mean by client and server?
3. What do you mean by Inter Process Communication (IPC)?
4. What are the different IPC mechanisms?
5. What is socket?
6. Difference between TCP and UDP socket communication?
7. What is shared memory programming?
8. What is port? State application of ports.
9. What is Heterogeneity?
10. Example of is marshalling and unmarshalling?
11. Explain RMI with diagram.
12. What is binding?
13. What is role of RMI registry? why we start RMI registry first?
14. What is use of "UnicastRemoteObject","lookup(),rebind().
15. What is stub and skeleton?
16. What is difference between Exception and Remote Exception?
17. What is CORBA?
18. Draw CORBA Architecture and Explain it.
19. How CORBA works?
20. Does it synchronous/Asynchronous application?
21. What is ORB?
22. What is IDL interface?
23. What is Object Request Broker Daemon (ORBD).
24. What is middleware?
25. List the examples of middleware.
26. List the use of middleware.
27. List the applications of CORBA
28. What is the difference between RMI and CORBA?
29. Why RMI is implemented only in Java Language?
30. What is use of MPI?
31. In which type of applications, we are using MPI?
32. Why we are providing rank to process in MPI.
33. Explain MPI operations.
34. Explain Different data types of MPI.
35. Draw MPI architecture.
36. What is MPI_ABORT?
37. What is MPI_FINALIZE
38. What is difference MPI_ABORT and MPI_FINALIZE?

39. What is difference between logical clock and physical clock?
40. Why is it necessary to synchronize the clocks in distributed real time system?
41. How the principle of Berkeley algorithm is used to synchronize time in distributed system?
42. What are other algorithms for clock synchronization in DS?
43. What is race condition?
44. What is deadlock?
45. What is starvation?
46. What is Mutual Exclusion?
47. Token ring algorithm?
48. How to avoid mutual exclusion using token?
49. Who is process coordinator?
50. What are its responsibilities?
51. Need of Election Algorithm?
52. What is centralized and decentralized algorithm?
53. Explain working of Election algorithm for Ring & Bully?
54. Differentiate between Bully and Ring Algorithm
55. What is Token?
56. What Is a Web Service?
57. Explain Architecture of web services w. r. to Provider, Requestor, Service registry and Broker?
58. What is WSDL?
59. List types of Web services?
60. Differentiate between SOAP and REST?
61. List the examples of web services.
62. List applications of web services?