

## Question bank for End Sem Exam

### Subject:-Distributed Computing Sem VIII

A.Y 2021-22

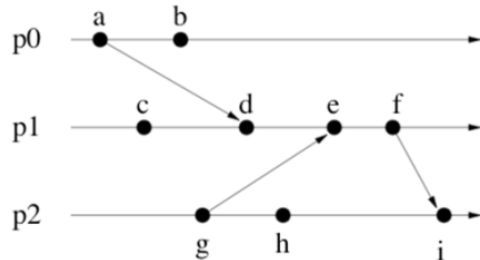
- Q1.List the desirable features of global scheduling algorithm
- Q2. Why load sharing is better than load balancing
- Q3. Process of task assignment
- Q4. Load balancing approaches
- Q5. Load sharing approaches
- Q6. Write a short note on Replication
- Q7. What is virtualization with respect to process management?
- Q8. Explain design issues of load balancing algorithm
- Q9. Explain design issues of load sharing algorithm.
- Q11. Describe Code migration in detail.
- Q12. Explain all methods of Data consistency
- Q13. Explain all methods of client consistency
- Q14. Explain the features of Distributed file system
- Q15. List the file accessing models
- Q16.Explain the difference between replication and consistency
- Q17. Explain File caching schemes
- Q18. Compare between -1.Unstructured and Structured files
  - 2. Mutable and immutable files
  - 3.Data Centric and Client Centric models.
- Q19. What is cache validation? Explain any one approach in detail
- Q20.Listout Nontokenbased algorithms. Describe any one of them in detail.

- Q21. Difference between tightly coupled and loosely coupled
- Q22. Enlist and explain different levels of transparencies which are used in DC
- Q23. Explain different types of DC
- Q24. Explain different distributed system models
- Q25. Difference between DOS & NOS
- Q26. Explain Middleware Operating System with its models
- Q27. Explain Grid & Cluster Computing in Detail
- Q28. What is clock synchronization?
- Q29. Difference between the drift and skew with respect logical clock and physical clock..
- Q30. Describe Election algorithm with example.
- Q31 . Illustrate bully and ring algorithm with example.
- Q32. What is physical clock and explain the types of it.
- Q34. Solve this problem using Suzuki Kasami Algorithm where initial state is provided
- Q 35. Problems on Ricart Agarwal mutual exclusion algorithm.
- Q36. Describe any one method of Logical Clock synchronization with the help of example.
- Q37 Describe vector clock in detail.
- Q38. Solve the following example with the help of Lamport clock.
- Q39. Explain the concept of layered protocol
- Q40. Why we are using IPC in Distributed computing
- Q41. Difference between RPC and RMI
- Q43. Types of RPC
- Q42. Why RMI is better than RPC
- Q44. Explain the types of Message oriented communication
- Q45. Give the examples where we used Stream oriented communication
- Q46. Explain the significance of Group communication

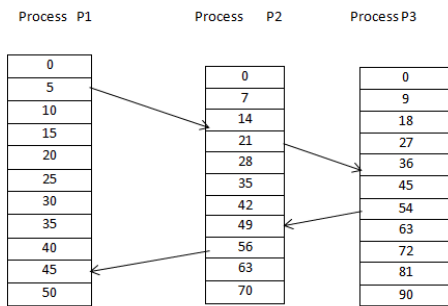
Q47.Explain stream oriented communication with suitable example

Q48.What is group communication? Explain different types of group communication.

Q49.What is Vector clock? Apply it to solve the same problem.



Q50.Apply it and correct the time for following processes using Lamport Clock.



**Note:-It is sample question bank. Similar type of questions may ask in the Examinations**

**All The Best!!**