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MUSTUDENTS UNITED

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How to Score Well in the Distributed Computing Exam?

1. What is RPC? Explain the working of RPC in detail.
2. What is code migration? Issues in code migration.
3. Different types of Data centric and Client centric consistency models.
4. What is fault tolerance? Describe different types of failure models.
5. Explain various file caching schemes.
6. What are physical clocks? Explain any one physical clock synchronization algorithm. (<https://www.ques10.com/p/2209/explain-different-physical-clock-synchronization-a/>)
7. What is logical clock? Why are logical clocks required? How Lamport synchronize with a logical clock?
8. Discuss various issues and goals related to design of distributed system.
9. Explain different load estimation and process transfer policies used by load balancing algorithms.
10. What are the desirable features of a good DFS?
11. Differentiate between
 - RMI and RPC
 - Data-Centric and Client-Centric Consistency Models.
 - Token-based algorithm and Non-Token-based algorithms
 - NOS DOS and Middleware in the design of distributed systems
12. What is mutual exclusion?
13. Explain various forms of message oriented communication with suitable example.
14. Explain desirable features of Global Scheduling Algorithm

15. Short note on

- Replication and its types.
- Services offered by middleware.
- Suzuki kasami's broadcast algorithm.
- Bully Election Algorithm.
- Raymond's tree Algorithm.
- Ricart Agrawala Algorithm.
- Chandy misra haas algorithm.
- Google File System.
- Group communication.

Good luck!

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