

## Sample question paper of DISTRIBUTED COMPUTING

Q1. Which operating system is more complicated to design than a centralized system

- A. Network Operating System
- B. Middleware Operating System
- C. Distributed Operating System
- D. None of these

Q2. In which type of transparency, the System hides whether a software resource is in memory or on disk

- A. Access Transparency
- B. Location Transparency
- C. Migration Transparency
- D. Persistence Transparency

Q3. In message passing system, A message -passing facility provides at least two operations

- A. Send(message) and Delete (message)
- B. Delete(message) and Receive(message)
- C. Send(message) and Receive(message)
- D. Write(message) and Delete(message)

Q4. Which of the following is true about marshalling in RPC

- A. Passing parameters in the usual way to the server stub.
- B. Converting the representation of the parameters in to a standard format and copying each parameter in to the message.
- C. All of the above
- D. None of the above

Q5. Which among the following is the design and implementation issues of Distributed Shared memory

- A. Granularity
- B. Data location and access
- C. Replacement Strategy
- D. All of the above

Q6. Which among these consistency models use two synchronization variables as 'Acquire' and 'Release'

- A. Weak Consistency Model
- B. Strict consistency model
- C. Release consistency model
- D. Sequential Consistency Model

Q7. What are the characteristics of mutual exclusion using centralized approach

- A. One processor as coordinator which handles all requests.
- B. It requires request, reply and release per critical section entry.
- C. The method is free from starvation.
- D. All of the above.

Q8. The technology used to distribute service requests to resources is referred to as

- A. Load Performing
- B. Load Scheduling
- C. Load Balancing
- D. All of the mentioned

Q9. \_\_\_\_\_ is often used for implementing specialized threads within a process

- A. Team Model
- B. Dispatcher Worker model
- C. Pipeline model
- D. All of the above

Q10. What are the characteristics of transaction semantics

- A. Suitable for applications that are concerned about coherence of data
- B. The users of this model are interested in the atomicity property for their transaction
- C. Easy to implement in single processor system
- D. Write back enhances access performance