

- c) Few resources but authorization is not required d) Only a few resources
- (viii) Microkernel is responsible for mapping each virtual
- a) Module b) I/O devices
c) Memory d) Page
- (ix) In a distributed system, information is exchanged through _____
- a) Memory sharing b) Message passing
c) Token passing d) Cache
- (x) Machine that places the request to access the data is generally called as _____
- a) Server Machine b) Client Machine
c) Request Machine d) Response machine
- (xi) An architecture where clients first communicate the server for data then format and display it to the users, is known as _____
- a) Client/Server architecture b) Three-tier architecture
c) Two-tier architecture d) Peer-to-Peer architecture
- (xii) Kernel mode of operating system is also called
- a) User mode b) System mode
c) Supervisor mode d) Non-supervising mode
- (xiii) With Microkernel architecture it is possible to handle hardware interrupts as
- a) Application b) Information
c) Data d) Message
- (xiv) Example of monolithic Kernel based operating system
- a) Unix b) Linux
c) Both Unix and Linux d) None of these
- (xv) Which thread management work done by a pure Kernel Level Thread facility?
- a) Kernel b) Program
c) Application d) Information

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain about inherent limitations of distributed system? (3)
3. Explain about memory coherence. (3)
4. Explain about caches in distributed system. (3)
5. What are the goals of distributed file system? (3)
6. Compare token and non token based algorithm. (3)

OR

Construct your opinion what is the use of remote object references? (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Explain public-key cryptography with diagram. (5)
8. Explain Complete deadlock detection algorithm for Distributed Deadlock Detection. (5)
9. Explain Fundamental and Failure model in details. (5)
10. Explain about working principle of RPC. (5)
11. Define centralized control for Distributed Deadlock Detection. (5)
12. Discuss the Lamport logical clock. (5)

OR

Explain about Network File System. (5)

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