

Q: 6) (a) Explain space coupling in distributed system with an example.

(b) What are the applications of group communication in indirect communication.

(c) Differentiate the process groups and object groups.

Q: 7) (a) Explain the publish-subscribe system in channel based of distributed system.

(b) ~~What~~ Mention some implementation issues in centralized versus distributed system.

(c) What is programming model and how it works for sending messages from sender to receivers.

Q: 8) (a) Briefly explain shared memory abstraction in distributed systems.

(b) How would you implement a semaphore using tuple space?

(c) Explain the different layers of operating system.

Q: 9) (a) What is concurrent processing.

(b) Write down the steps of creation of a new process in operating system.

(c) What is copy-on-write technique.

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Q: 10) (a) Differentiate b/w threads versus ~~multiple~~ processes.

(b) Write a ~~con~~ program in Java for thread constructor.

(c) Explain differences b/w communication and invocation.

or,

What is serialized and concurrent invocations in distributed systems.

Q: 11) (a) Learn a thread commands & code from the shared word file.

(b) Explain JGroup (Block dig. & concept)

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Ch → 1 to 5 [6 ques. of 36 marks]

Ch → 6 & 7 [4 ques. of 24 marks]

Note: - Mainly focus on the concepts.

You may face 1-2 numerical & 2 coding ques.