

1. Describe SMP (Symmetric Multi Processor ) Model

2. Distributed Communication

A key component in building distributed operating systems and applications is communication.

Be able to describe one communication technique

a. Messaging or Remote Procedure Call

3. Distributed Coordination

a. Synchronization: what is meant by

i. Event ordering

ii. Logical clock

b. Mutual Exclusion

i. Describe one technique: Distributed vs. centralized

c. Atomicity

i. Describe 2-phase commit

d. Concurrency

e. Deadlock

i. Wait-die vs wait-wound

f. Distributed Coordination

i. Bully algorithm

g. Reaching agreement

i. Byzantine Generals Problem