

Units 7, 8, 9

OS and Networks

1. What are the necessary conditions for a deadlock to occur in the OS?
2. Describe in detail what happens during process switch (context switch)?
3. Why is a switch more efficient than a repeater when connecting networks with CSMA/CD protocol?
4. Describe the 4 layers and their functions in the TCP/IP model.
5. Security sockets layer (SSL) ensures a secure connection between the client and the server by encryption among other techniques. Which layer in the TCP/IP model should SSL operates in? Why?