

COMPUTER NETWORKS & SECURITY

1. Explain any one multiple access technique.
2. Explain TCP/LP protocol suite in detail.
3. Explain packet switching n/w in detail.
4. What do mean by HDLC & PPP, hence explain it in detail.
5. Write short note on: i) PING ii) TRACEROUTE
6. What is congestion? Explain congestion control methods
7. Explain transmission media in detail.
8. What do mean by routing? Explain shortest path routing Algorithm.
9. Compare UDP & TCP.
9. Explain network layer design issues.
10. Explain address resolution protocol.
11. Explain connectionless versus connection-oriented services provided by transport layer.
13. What is symmetric key cryptography? Explain the substitution cipher.
14. Explain various network security attacks.
15. How does Hash function works.
16. What is mean FTP? Explain in detail wrt client server communication.
17. Explain HTML programming & related tags in detail.
18. Explain applications of cross-over & straight through cable.
19. Compare TCP/LP with OSI reference model.