



11. (a) Discuss the issues in the data link layer. (16)
- Or
- (b) Explain in detail the error-detecting codes. (16)
12. (a) Explain and differentiate FDDI and Ethernet. (16)
- Or
- (b) Write short notes on :
- (i) Transparent bridges. (8)
- (ii) MACA and MACAW. (8)
13. (a) (i) Differentiate ARP and RARP. (8)
- (ii) Explain OSPF in detail. (8)
- Or
- (b) (i) What is Internet multicasting? Explain in detail. (8)
- (ii) Show the IPv6 header details and explain them. (8)
14. (a) Explain the following :
- (i) TCP header (8)
- (ii) Adaptive flow control. (8)
- Or
- (b) How is congestion controlled? Explain in detail the TCP congestion control. (16)
15. (a) Write notes on URLs. (16)
- Or
- (b) (i) Discuss the advantages of DNS. (8)
- (ii) Explain Telnet in detail. (8)

