

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

11. a. Write a short note on signal propagation.
(or)
11. b. Explain the time division multiplexing.
12. a. Explain in detailed about the star and bus topology.
(or)
12. b. Explain briefly about factors affecting routing algorithm.
13. a. Discuss in detailed about the WAN transmission mechanism.
(or)
13. b. Explain briefly on ISDN interface.
14. a. Write a note on software issues in internetworking.
(or)
14. b. Explain about the IP datagram.
15. a. Write briefly about UDP packet.
(or)
15. b. Explain about the Email transfer protocol.

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

16. a. Describe briefly about the bandwidth of a signal and a medium.
(or)
16. b. Explain briefly about the error detection.
16. a. Write briefly about the guided media.
(or)
17. b. Explain briefly on OSI layer functions.
17. a. Describe briefly about the token ring mechanism and frame.
(or)
18. b. Write briefly about the frame relay and frame format with diagram.
18. a. Explain the bridges and their types.
(or)
19. b. Discuss in detailed about the address resolution protocol.
- 20 a. Explain briefly about the features of TCP.
(or)
20. b. Write briefly about the file transfer protocol.
