

1st chapter

1. Define the following terms (any 2) (4)
 - i. network
 - ii. protocol
 - iii. Handshaking.
2. Distinguish between computer network and distributed system. (4)
3. State and explain the services provided by the network to organizations. (4)
4. What are the performances parameters of a network. (3)
5. State the various types of network,with dia. (4)
6. Compare the LAN and WAN. (3)
7. State the advantages and disadvantages of peer to peer network. (3)
8. State various components of a computer network. (3)
9. Explain the centralized management of software ,maintenance, data backup. (4)
10. Explain peer to peer & client server network. (4)
11. Define client and server network. (3)
12. Explain file sharing and printer sharing. (3)
13. Explain e-mail and remote access. (3)

2st chapter

1. Name the different network topology types. (4)
2. Explain the basic concepts of bus topology with the help of suitable diagram.State advantages and disadvantages of bus topology. (4)
3. What are the problems faced by ring topology. (3)
4. State the advantages and disadvantages of ring topology. (4)
5. Write a short note on mesh topology.(3)
6. State the advantages and disadvantages of mesh topology.(3)
7. Compare ring and bus. (4)
8. Compare star and ring.(4)

CHP 3-Network Control Devices

- 1)Describe repeater .State the situation under which repeater is necessary in n\w?(3)

2)What are hubs? how are they classified?(3)

3)What are routers ?with neat diagram?(4)

4)Describe gateway?state situation under which gateway are necessary in the n\w?(3)

5)Describe role of modem in transmission with Diagram?(4)

CHP 4-Transmission Media

1)Draw a neat sketch of twisted pair cable.give the transmission characteristicsof twisted pair cable. State its application(4)

2)State advantages & disadvantages of coaxial cable&give its application?(4)

3)With the help of neat diagram, describe functioning of an optical fibre cable & state its advantages.(4)

4)With the help of diagram ,explain satellite communication.(4)

5)Compare guided & unguided media.(3)

CHP 5-Latest Technology

1)Explain diff types of stations bss & ess.(3)

2)Explain principle of ieee 802.11 dsss.(3)

3)What is Bluetooth ? explain architecture of Bluetooth.(4)

4)Explain types of HandOff.(4)

5)Describe the term .(3)

a)Romaing b)GSM.

CHP 6-Osi Model

1)Draw the osi model & state the role of each layer.(4)

2)Explain horizontal & vertical communication?(4)

3)Describe the functions of DLL.describetwo sublayers of DLL.(3)

4)What is token passing ?compare token passing with csma/cd.(3)

5)List the protocols each associate with application layer ,session layer,transport layer, n\w layer.(3)

CHP 7- TCP/IP Model

1)Explain TCP/IP reference model with neat diagram.(4)

2) Compare OSI & TCP/IP model. (4)

3) Difference between SLIP & PPP. (3)

4) Describe IP protocol. (3)

5) Explain IP address classes. (3)

6) Compare TCP & UDP. (3)