

TYBCA (SEM - 5)
502 – Network Technology
Question Bank

Unit – 1

Short Question:

1. Write the concept of client and server.
2. Differentiate between active hub and passive hub.
3. Differentiate between star and bus topology.
4. Explain token passing mechanism in ring topology.
5. Differentiate between star and ring topology.
6. What are the advantages and disadvantages of bus topology?
7. Define Terminologies : Intranet, Internet, Unicast, Broadcast, Multicast

Long Questions:

1. What is Network? Explain advantages and disadvantages of Networks.
2. Explain in detail about Peer based network, client server networks and hybrid networks. With its advances and disadvantages.
3. Explain star and ring topology in detail.
4. Discuss need, uses and advantages of network.
5. Write a note on wireless network.
6. Explain Peer to Peer Networks. Explain advantages and disadvantages.
7. Explain bus topology and tree topology.
8. Define Topology. Explain Bus Topologies and Mesh Topologies.

Unit – 2

Short Question:

1. What is the difference between Internet and Intranet?
2. What is Modem?
3. Define analog and digital signals.
4. Write difference between Hub and repeater.
5. Give the use of Hub and Gateway.
6. What is the difference between Hub and Switch?

Long Questions:

1. Explain working of Internet.
2. Explain architecture of Internet.
3. Explain working of Intranet.
4. Explain architecture of Intranet.
5. Difference between Intranet and Internet.
6. Explain any two Network devices in detail.
7. Write a note on Twisted Pair cable.
8. Write a note on coaxial cable.
9. Write a note on fiber optics cable.

Unit – 3

Short Question:

1. Define FANET.
2. What is the use of SSL?
3. Define UTP.

Long Questions:

1. What is MANET? Explain types of MANET and discuss VANET in detail.
2. Write a note on FANET.
3. Write difference between MANET and VANET.
4. Explain network and transport layers of OSI model.
5. Discuss responsibilities of physical and presentation layer of OSI model.
6. Explain data link layer with its function, protocols and network devices of OSI model.
7. Explain network layer with its function, protocols and network devices of OSI model.
8. Explain physical layer with its function, protocols and network devices of OSI model.
9. Explain in detail how the information flows from one host to another host in OSI model.
10. Explain application layer with its function, protocols and network devices of OSI model.
11. Explain responsibility of three upper layer of OSI model.
12. Write difference between HTTP and HTTPS.
13. Explain SSL and FTP in detail.
14. Explain IP address with its class.
15. What is the function of SMTP and HTTP?

Unit – 4

Short Question:

1. What is Email? Which protocol is use to send and receive mail?
2. What is the difference between Absolute and Relative URL?

Long Questions:

1. Explain working of email.
2. What is Email? Explain SMTP protocol in detail.
3. Define URL. Explain types of URL.