503 - Network Technologies

Short Questions:-

1) What are components of Network?
2) Define multicast and broadcast.
3) Define Intranet.
4) Define Internet
5) What is Active and Passive Hub?
6) Define Gateways.
7) What is Access Point?
8) What is Router?
9) What is MODEM?
10) What is topology? Define the types of topologies.
11) What is Network topology?
12) Define Baud rate.
13) Define Nyquist bit rate.
14) Write about the concept of client and server.
15) Define HTTP and HTTPS.
16) Define Telnet and FTP.
17) What is UTP and STP?
18) What is Co-axial?
19) Why twists are required in Twisted pair cable?
20) Define UDP and TCP.
21) What is an IPv4 address?
22) What is an IPv6 address?
23) What is MAC address?
24) What is IP address?
25) What is PAN?
26) What is MAN?
27) What is WAN?
28) What is LAN?
29) What is the use of PORT number?
30) List out the connectionless protocol.
31) List out the connection oriented protocol.
32) Give the full form of SMTP, DNS and POP with their port number.
33) Give the full form of HTTP, HTTPS and FTP with their port number.
34) Define layer of OSI Model. Which layer is a heart of OSI model?
35) Which layer of OSI is responsible for Encryption and Decryption of data?
36) What is the purpose of Presentation layer?
37) What are the functions of Data link layer?
38) What are the functions of Network layer?
39) What are the functions of Transport layer?
40) Which protocols are used in Application Layer?

41) What is MANET? What are their types?
42) What is Packet? Use of Datagram Packet.
43) Define different types of transmission mode.
44) What is Absolute URL?
45) What is Relative URL?

Long Questions: -

1) Explain types of networks in detail.
2) What is Network topology? Explain various types of topologies with merits and demerits.
3) Explain Ring topology with Merits and Demerits.
4) Explain Mesh topology with Merits and Demerits.
5) Explain Tree topology with Merits and Demerits.
6) Write a short note on Unicast, Multicast and Broadcast.
7) Explain working of Internet and its architecture.
8) Explain working of intranet and its architecture.
9) Write a short note on Repeater and Bridge.
10) Write a short note on Switch and Hub.
11) Explain Routers in detail.
12) Explain Fiber optic cable in detail.
13) Explain any two guided transmission Media with Advantages and Disadvantages.
14) Explain any two unguided transmission Media with Advantages and Disadvantages.
15) What is MANET? Explain Smart phone Ad hoc Network in Detail.
16) Discuss OSI model with functions of each layer.
17) Write a short note on Application Layer.
18) Write a short note on DNS.
19) Write a short note on SSL.
20) Explain IP Subnetting in detail.
21) Difference between http and https.
22) Differentiate TCP and UDP.
23) Explain Search Engine in detail.
24) Write a Case study on E-mail from sender to receiver with their functionality and use of different protocol.
25) Explain URL and types of URL in detail.