

Unit 1:

1. Which networking device is responsible for connecting multiple networks together? (4 marks)
2. What is the purpose of framing in data communication systems? (6 marks)

Unit 2:

1. What are the three main framing protocols used in data communication systems? (4 marks)
2. Explain the concept of PPPoA and its uses in internet connectivity. (6 marks)

Unit 3:

1. What are the three main types of legacy standard protocols in data communication systems? (4 marks)
2. Explain the concept of WDMA protocols in wireless networks. (6 marks)

Unit 4:

1. Describe the difference between IPv4 and IPv6 protocol versions. (4 marks)
2. Explain the concept of MPLS in network layer protocols. (6 marks)

Unit 5:

1. Which flow control algorithm is commonly used for TCP connections? (4 marks)
2. Which protocol is commonly used for RTP real-time support connections? (6 marks)

Unit 6:

1. What are the three main types of packet filtering algorithms in network management systems? (4 marks)
2. Describe the difference between DNS and DHCP protocols for address resolution. (6 marks)