

School of Computing Science and Engineering

B.Tech CSE
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem IV - E2UC407B - Network Design and Management

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. Write about error detection and correction. K3 CO3 (5)
2. Discuss standard and extended ACL. K2 CO2 (5)
3. Define IGP and BGP. K1 CO1 (5)
4. Discuss different types of framing mechanisms that are employed in data link layer. K2 CO5 (10)
5. Discriminate Classful and Classless Routing. K4 CO1 (10)

OR

- Illustrate communication over OSI layers. K4 CO2 (10)
6. List various design issues in Transport and Session layer. K1 CO4 (10)
 7. Point out and discuss the function of various protocols at internet layer in TCP/IP model. K4 CO6 (10)
 8. Interpret Securing Network Topologies with the help of SSL - Telnet. K3 CO3 (15)
 9. Outline wired and wireless topologies with the help of appropriate diagram. K4 CO5 (15)

OR

- Conclude the reason behind 'Data link protocols always put the CRC in a trailer, rather than in a header. K4 CO6 (15)
10. Interpret Configuration and Security Management in detail. K3 CO3 (15)