

School of Computing Science and Engineering

B.Tech CSE
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem IV - E1UJ402B / BSCS2430

Computer Networks

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. What are the functions of bridges, Router, Hubs, switch & Repeaters? K1 CO1 (5)
2. Outline the services provided by the Data link layer K3 CO3 (5)
3. Discuss how Slotted ALOHA is better than Pure Aloha. K2 CO2 (5)
4. Explain Leaky bucket algorithm? K4 CO3 (10)
5. Briefly Describe a Firewall and how it is applied in Networks K4 CO4 (10)

OR

6. Explain about coaxial cable and Twisted cable media for communication K4 CO4 (10)
6. Explain STOP & WAIT ARQ algorithm with suitable example K2 CO2 (10)
7. Analyze the advantages of optical fiber over twisted pair and coaxial cable. K1 CO1 (10)
8. What are the two categories of encryption/decryption methods? What is the main difference between the categories. K4 CO4 (15)

OR

9. Compare the HTTP and FTP. K4 CO4 (15)
9. Explain some of the Quality of service parameters of transport layer K3 CO3 (15)
10. Compare between TCP and UDP K3 CO3 (15)