

Department of Computer Science and Engineering, BUET
CSE 321
Computer Networks
Assignment
Total Marks: 20

Student ID

1. Is a bridge and a switch identical devices? Give explanation for your answer.

Answer:

2. Six stations, A through F, communicate using the MACA protocol. Is it possible that two transmissions take place simultaneously? Explain your answer.

Answer:

3. Consider the delay of pure ALOHA versus slotted ALOHA at low load. Which one is less? Explain your answer.

Answer:

4. What is a Virtual LAN? Write the motivation behind introduction of Virtual LAN?

Answer:

5. Can a machine with a single DNS name have multiple IP addresses? How could this occur?

Answer:

6. DNS uses UDP instead of TCP. If a DNS packet is lost, there is no automatic recovery. Does this cause a problem, and if so, how it is solved?

Answer: