

CSE3020 Network Technology

Semester 1, 2004

Tutorial 7 -Week 8

Question T7.1 - What is the purpose of the IEEE 802 committee? Define and explain the data link layer in IEEE Project 802?

Question T7.2 - Instead of LLC, could HDLC be used as a data link control protocol for a LAN? If not, what is lacking?

Question T7.3 - Compare and contrast the SSAP and DSAP on the LLC PDU with the source and destination address of the MAC frame.

Question T7.4 - What is network topology? List four common LAN topologies and briefly describe their methods of operation.

Question T7.5 - Why a bridge is needed in a network? With the aid of sketches, briefly explain the operations performed by a bridge?

Question T7.6 - What is the difference between a shared medium hub and a switching hub?
What is the difference between a store-and-forward switch and a cut-through switch?

Question T7.7 - List the differences between bridges and switching hubs.

Question T7.8 - What is a spanning tree?