	Print Name:	
CEN 4500C	Exam 2	4/23/93

- 1. a) Describe the 802.3 medium access protocol in terms of when a station is able to transmit and how transmissions are known to be successful.
 - b) Contrast active headend and passive headend broadband topologies for 802.3.
 - c) What are the limitations on the size of a baseband 802.3 network and why?
- 2. a) Describe the 802.4 medium access protocol in terms of when a station is able to transmit and how transmissions are known to be successful.
 - b) What fault-tolerant features are present in 802.4 and why?
 - c) How is a new station added to an 802.4 configuration?
- 3. a) Describe the 802.5 medium access protocol in terms of when a station is able to transmit and how transmissions are known to be successful.
 - b) What fault-tolerant features are present in 802.5 and why? Contrast with 802.4.
 - c) Compare performance of 802.5 with that of 802.3 and 802.4.
 - d) What limitations exist on the size of an 802.5 network and why?
- 4. a) Describe the 802.6 medium access protocol in terms of when a station is able to transmit and how transmissions are known to be successful.
 - b) Compare the data transfer unit sizes of 802.6, 802.5 and 802.3.
 - c) Compare the priority mechanisms of 802.4, 802.5 and 802.6.
- 5. a) Describe and compare amplifiers, repeaters, bridges and routers.
 - b) Compare source routing bridges with transparent bridges.
 - c) What is bridge learning, and how do flooding and spanning trees figure in it?