6.3 QUIZ QUESTION 1 (1/1 point)

Suppose that each packet in the transport layer is 20k bits long, and the network can support transmission at 100Mbit/sec. If the round trip time is 5ms, what is the maximum size of the sliding window?

25 packets ✔ **Answer:** 25

25

EXPLANATION

The rate of the slowest link B = 100Mbit/sec

RTT = 5 ms

B * RTT = 500 kbits

packet size = 20k bits

maximum size of the sliding window W_max = 500k / 20k = 25 packets

You have used 1 of 3 submissions

6.3 QUIZ QUESTION 2 (1/1 point)

Suppose that each packet in the transport layer is 20k bits long, and the network can support transmission at 100Mbit/sec. If we choose the sliding window in a TCP connection to contain five packets, and the round trip time is 5ms, what is the throughput of this connection?

1000 packets per second ✔ **Answer:** 1000

1000

EXPLANATION

RTT = 5ms

The window size W = 5 packets

Throughput = W/RTT = 1000 packets/sec

You have used 1 of 3 submissions