

1. Transmission Control Protocol
 - a. is a connection oriented protocol
 - b. uses a three-way handshake to establish a connection
 - c. receives data from application as a single stream
 - d. all of the above

2. In an UDP IPv4 Pseudo Header the source port
 - a. is a 16 bit field starting at bit 0
 - b. is a 16 bit field starting at bit 96
 - c. is a 32 bit field starting at bit 0
 - d. is a 32 bit field starting at bit 96

3. In a TCP header how many bytes are used to represent the source port
 - a. 2
 - b. 4
 - c. 8
 - d. 16

4. In a TCP connection what is the meaning of the state LISTEN?
 - a. represents waiting for a connection request from any remote TCP and port.
 - b. represents waiting for a matching connection request after having sent a connection request.
 - c. represents an open connection, data received can be delivered to the user.
 - d. represents no connection state at all.

5. Consider a TCP connection between Host A and Host B. Suppose that the TCP segments traveling from Host A to Host B have source port number x and destination port number y. What are the source and destination port numbers for the segments traveling from Host B to Host A?
 - a. Source port number x and destination port y
 - b. Source port number x and destination port x
 - c. Source port number y and destination port x
 - d. Source port number y and destination port y