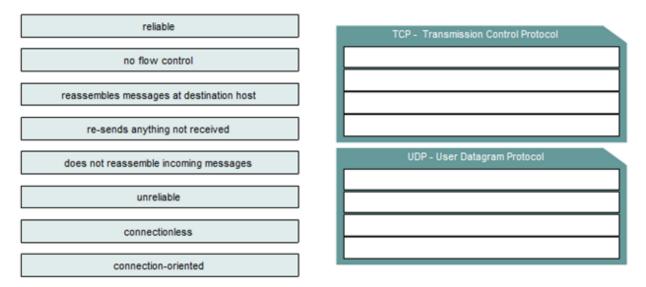
Computer communication Networks

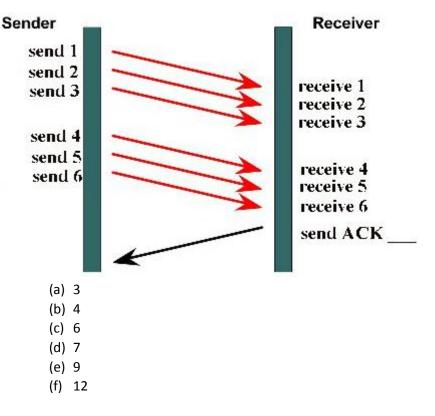
Spring 2016

(1) Categorize the options based on whether they describe TCP or UDP



- (2) At the transport layer, which of the following controls in used to avoid a transmitting host overflowing the buffers of a receiving host
 - a. Best effort
 - b. Encryption
 - c. Flow control
 - d. Compression
 - e. Congestion avoidance
- (3) During data transfer, what are the main responsibilities of the receiving host? (choose two)
 - a. Throughput
 - b. Encapsulation
 - c. Acknowledgment
 - d. Bandwidth
 - e. Segmentation
 - f. Reassembly
- (4) At which layer of the TCP/IP model does TCP operate?
 - a. Session
 - b. Transport
 - c. Network
 - d. Data link

- (5) What determines how much data a sending station running TCP/IP can transmit before it must receive an acknowledgment
 - a. Segment size
 - b. Transmission rate
 - c. Bandwidth
 - d. Window size
 - e. Sequence number
- (6) What is the purpose of the sequence number in the TCP header?
 - a. Reassemble the segments into data
 - b. Identify the application layer protocol
 - c. Identify the number of the next expected byte
 - d. Show the maximum number of byte allowed during a session
- (7) Which acknowledgment number should be sent by the receiver shown in the figure below?



- (8) What is the purpose of the TCP/UDP port numbers?
 - a. Indicate the beginning of a 3 way handshake
 - b. Reassemble the segments into the correct order
 - c. Identify the number of data packets that may be sent without acknowledgment
 - d. Track different conversation crossing the network at the same time