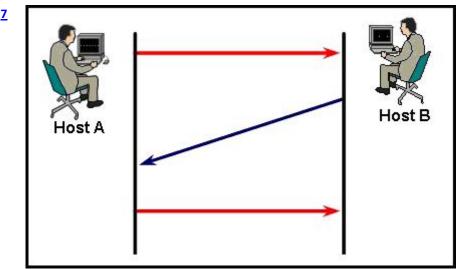
<u>1</u>	Who	at is the purpose of the TCP three-way handshake?
		to adjust the size of the sliding window
		to establish the presence of the destination host
		to confirm the availability of the destination port
	0	to synchronize sequence numbers prior to data transmission
<u>2</u>	Who	at are the features of the User Datagram Protocol (UDP). (Choose three.)
_		no guaranteed delivery of datagrams
		connection-oriented
		provides reliable full-duplex data transmission
		reliability provided by the application layer
		connectionless
		utilizes sliding windowing techniques
	W/hi	ich protocol is used by FTP to transfer files over the Internet?
<u>3</u>		TCP
		SMTP
		UDP
		SNMP
<u>4</u>		v does windowing ensure that a data packet will be delivered to the recipient in the same order, amaged, and reliably? (Choose two.)
		acknowledgements
		collision avoidance
		window size adjustment
		dynamic packet size adjustment
		encapsulation packet size
<u>5</u>	dest	network administrator for ABC company needs to send large amounts of information to many tinations at one time and does not need any verification that the data has been received. Which asport protocol would the administrator use?
		TCP
		IP
	0	UDP
		IGRP
		SMTP
		SNMP

Bit 0	Bit 1	5 Bit 16	Bit 31		
Source Port 13	3357	Destination Port 23			
Sequence Number 43693					
Acknowlegement	Number 8732				
Header Length	Reserved Code Bits	Window 12000			
Checksum		Urgent			

Based on the transport layer header shown in the diagram, which of the following statements describe the established session? (Choose two.)

- This is a UDP header.
- This contains a Telnet request.
- This contains a TFTP data transfer.
- The return packet from this remote host will have an Acknowledgement Number of 43693.
- This is a TCP header.

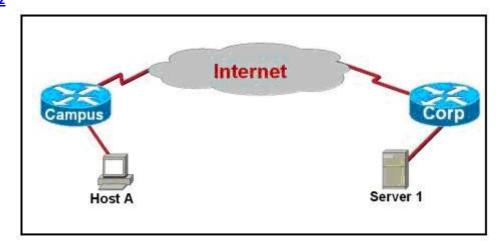


Which of the following best describe the transport layer three-way handshake? (Choose two.)

- TCP is established by using the three-way handshake to synchronize sequence numbers.
- UDP is established by using the three-way handshake to synchronize sequence numbers.
- The three-way handshake is used to establish a maximum data packet size to be sent, thus minimizing the error rate.
- The three-way handshake provides a global clock to establish window sizes.
- TCP may have different mechanisms to choose initial sequence numbers, and therefore without the three-way handshake, sequence numbers would be out of sync.
- 8 With TCP/IP data encapsulation, which range of port numbers identifies all well-known applications?
 - 0 to 255
 - 256 to 1022
 - 0 to 1023
 - 1024 to 2047

	0	49153 to 65535			
	What is dynamically assigned by the source host when forwarding data?				
<u>9</u>		destination IP address			
		destination port number			
		default gateway address			
		source IP address			
	0	source port number			
<u>10</u>	Why	v are port numbers included in the TCP header of a segment?			
		to indicate the correct router interface that should be used to forward a segment			
		to identify which switch ports should receive or forward the segment			
		to determine which Layer 3 protocol should be used to encapsulate the data			
	0	to enable a receiving host to forward the data to the appropriate application			
		to allow the receiving host to assemble the packet in the proper order			
<u>11</u>	Which OSI model layer is responsible for regulating the flow of information from source to destination, reliably and accurately?				
		application			
		presentation			
		session			
	0	transport			
		network			

<u>12</u>



Refer to the exhibit. Host A is using FTP to download a large file from Server 1. During the download process, Server 1 does not receive an acknowledgment from Host A for several bytes of transferred data. What action will Server 1 take as a result?

create a Layer 1 jam signal

	reach a timeout and resend the data that needs to be acknowledged					
		send a RESET bit to the host				
		change the window size in the Layer 4 header				
	Why is flow control used for TCP data transfer?					
<u>13</u>		to synchronize equipment speed for sent data				
		to synchronize and order sequence numbers so data is sent in complete numerical order				
	0	to prevent the receiver from being overwhelmed by incoming data				
		to synchronize window size on the server				
		to simplify data transfer to multiple hosts				