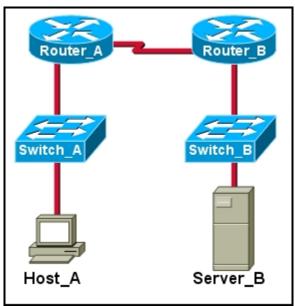
When a collision occurs in a network using CSMA/CD, how do hosts with data to transmit respond after the backoff period has expired?					
0	The hosts return to a listen-before-transmit mode.				
	The hosts creating the collision have priority to send data.				
	The hosts creating the collision retransmit the last 16 frames.				
	The hosts extend their delay period to allow for rapid transmission.				
<u>2</u>	14th art area tha true decreases weath and record to require their ADD tables 2 (Chance true)				
	What are the two dynamic methods used to maintain ARP tables? (Choose two.) monitor traffic on the local segment				
	monitor traffic on the local and remote segments				
	send a Layer 2 broadcast containing an ARP request				
	send a Layer 3 broadcast containing an ARP request				
<u>3</u>	Convert the binary number 10111010 into its hexadecimal equivalent. Select the correct answer from the list below. 85				
	90				
	■ BA				
	■ A1				
	■ B3				
	□ 1C				
<u>4</u>					
	Interface: 192.168.1.17 0x8 Interface Address Physical Address Type 192.168.1.1 00-01-5c-22-4f-c2 dynamic 192.168.1.27 00-10-b4-8c-10-9f dynamic				
	Refer to the exhibit. What command was executed on a host computer to produce the results shown?				
	route PRINT				
	arp -a				
	arp -d				
	netstat				
	telnet				
<u>5</u>	What are the two basis functions of the ABB protection (Chanse two)				
	What are the two basic functions of the ARP protocol? (Choose two.) resolve known IPv6 addresses to MAC addresses				
	resolve known MAC to IP addresses				
	maintain ARP cache in RAM				
	resolve known IPv4 addresses to MAC addresses				
	resolve known ipv4 addresses to MAC addresses				



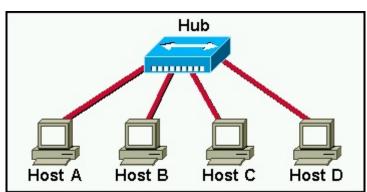
		er to the exhibit. The switch and workstation are administratively configured for full-duplex ration. Which statement accurately reflects the operation of this link?
	0	No collisions will occur on this link.
		Only one of the devices can transmit at a time.
		The switch will have priority for transmitting data.
		The devices will default back to half duplex if excessive collisions occur.
<u>7</u>		
_	-	y do hosts on an Ethernet segment that experience a collision use a random delay before attempting to assist a
		A random delay is used to ensure a collision-free link.
		A random delay value for each device is assigned by the manufacturer.
		A standard delay value could not be agreed upon among networking device vendors.
	0	A random delay helps prevent the stations from experiencing another collision during the transmission.
<u>8</u>	Whi	ich statements correctly describe MAC addresses? (Choose three.)
		dynamically assigned
		copied into RAM during system startup
		layer 3 address
		contains a 3 byte OUI
		6 bytes long
		32 bits long
<u>9</u>	Ethe	ernet operates at which layers of the OSI model? (Choose two.)
		Network layer
		Transport layer
		Physical layer
		Application layer
		Session layer
		Data-link layer



Refer to the exhibit. Host_A is attempting to contact Server_B. Which statements correctly describe the addressing Host_A will generate in the process? (Choose two.)

- A packet with the destination IP of Router_B.
- A frame with the destination MAC address of Switch A.
- A packet with the destination IP of Router_A.
- A frame with the destination MAC address of Router_A.
- A packet with the destination IP of Server B.
- A frame with the destination MAC address of Server_B.

<u>11</u>



In the graphic, Host A has reached 50% completion in sending a 1 KB Ethernet frame to Host D when Host B wishes to transmit its own frame to Host C. What must Host B do?

- Host B can transmit immediately since it is connected on its own cable segment.
- Host B must wait to receive a CSMA transmission from the hub, to signal its turn.
- Host B must send a request signal to Host A by transmitting an interframe gap.
- Host B must wait until it is certain that Host A has completed sending its frame.

<u>12</u>

After an Ethernet collision, when the backoff algorithm is invoked, which device has priority to transmit data?

the device involved in the collision with the lowest MAC address

		the device involved in the collision with the lowest IP address
	0	any device in the collision domain whose backoff timer expires first
		those that began transmitting at the same time
<u>13</u>	Whi	ich of the following is a drawback of the CSMA/CD access method?
		Collisions can decrease network performance.
		It is more complex than non-deterministic protocols.
		Deterministic media access protocols slow network performance.
		CSMA/CD LAN technologies are only available at slower speeds than other LAN technologies.
1.4		
<u>14</u>	Who	at does the IEEE 802.2 standard represent in Ethernet technologies?
		MAC sublayer
		Physical layer
	0	Logical Link Control sublayer
		Network layer
<u>15</u>		
15	Whi	ich of the following describe interframe spacing? (Choose two.)
		the minimum interval, measured in bit-times, that any station must wait before sending another frame
		the maximum interval, measured in bit-times, that any station must wait before sending another frame
		the 96-bit payload padding inserted into a frame to achieve a legal frame size
		the 96-bit frame padding transmitted between frames to achieve proper synchronization
		the time allowed for slow stations to process a frame and prepare for the next frame
		the maximum interval within which a station must send another frame to avoid being considered unreachable