<u>1</u>	14/1-	ish IEEE and ifficulties defines IAU El Andreada and
	VVIII	ich IEEE specification defines Wi-Fi technology? 802.3
		802.5
		802.7
	0	802.11
		802.13
		802.15
	=	
<u>2</u>	14/1-	
	wn	at is true regarding media access control? (Choose three.) Ethernet utilizes CSMA/CD
		defined as placement of data frames on the media
		contention-based access is also known as deterministic
		802.11 utilizes CSMA/CD
		Data Link layer protocols define the rules for access to different media
		controlled access contains data collisions
	_	controlled decess contains data consions
<u>3</u>		
	Wh	ich characteristics describe carrier sense multiple access collision detect (CSMA/CD)? (Choose three.) reliable
		point-to-point nondeterministic
		connection-oriented
		collision environment
		first-come, first-served approach
		mst-come, mst-served approach
<u>4</u>		
		ich options are properties of contention-based media access for a shared media? (Choose three.)
		non-deterministic
		less overhead
		one station transmits at a time
	•	collisions exist
		devices must wait their turn
		token passing
<u>5</u>		
_	Wh	at determines the method of media access control? (Choose two.)
		network layer addressing
		media sharing
		application processes
		logical topology
		intermediary device function

6
What is true concerning physical and logical topologies?

The logical topology is always the same as the physical topology.

Physical topologies are concerned with how a network transfers frames.

Physical signal paths are defined by Data Link layer protocols.

Logical topologies consist of virtual connections between nodes.

<u>7</u>

Which of the following are sublayers of the Data Link layer?

ACL, LMC

MAC, LAC

MAC, LLC

OSI, LLC

8

Which features describe the concept of Carrier Sense Multiple Access with Collision Detection? (Choose two.)

collisionless environment

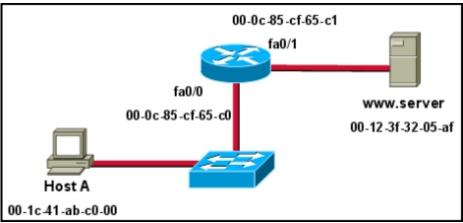
non-deterministic

deterministic

uses first-come, first-served approach

uses a token to transmit data

9



Refer to the exhibit. Assuming that the network in the exhibit is converged meaning the routing tables and ARP tables are complete, which MAC address will Host A place in the destination address field of Ethernet frames destined for www.server?

00-1c-41-ab-c0-00

00-0c-85-cf-65-c0

00-0c-85-cf-65-c1

00-12-3f-32-05-af

<u>10</u>

identifies the source address identifies the destination address marks the end of timing information is usuad for timing synchronization with alternating patterns of ones and zeros What are three characteristics of valid Ethernet Layer 2 addresses? (Choose three.) They are 48 binary bits in length. The consist of four eight-bit octets of binary numbers. They generally represented in hexadecimal format. They generally represented as decimal values for convenience. They must be changed when an Ethernet device is added or moved within the network. They are considered physical addresses. A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? I logical topology physical topology access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP affer? (Choose three.) multilink multipoint connectivity compression error checking authentication fastlink			is used as a pad for data
marks the end of timing information is used for timing synchronization with alternating patterns of ones and zeros ### What are three characteristics of valid Ethernet Layer 2 addresses? (Choose three.) ### They are 48 binary bits in length. ### The consist of four eight-bit octets of binary numbers. ### They generally represented in hexadecimal format. ### They are represented as decimal values for convenience. ### They must be changed when an Ethernet device is added or moved within the network. ### They are considered physical addresses. #### A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? ### Logical topology ### Logical topology ### Cable path ### wiring grid ### access topology ### Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) ### the Layer 3 protocol selected ### the geographic scope of the network ### the PDU defined by the transport layer ### the physical layer implementation ### the physical layer implementation ### the number of hosts to be interconnected #### Which three session options does PPP offer? (Choose three.) #### multiplink #### multiplink #### multiplinit connectivity #### compression #### compression #### compression #### compression ##### compression #### compression #### compression ##### compression ##### compression ##### compression ###### compression			identifies the source address
is used for timing synchronization with alternating patterns of ones and zeros What are three characteristics of valid Ethernet Layer 2 addresses? (Choose three.) They are 48 binary bits in length. The consist of four eight-bit octets of binary numbers. They generally represented in hexadecimal format. They are represented as decimal values for convenience. They must be changed when an Ethernet device is added or moved within the network. They are considered physical addresses. A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? logical topology physical topology cable path wiring grid access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			identifies the destination address
## What are three characteristics of valid Ethernet Layer 2 addresses? (Choose three.) ## They are 48 binary bits in length. ## The consist of four eight-bit octets of binary numbers. ## They generally represented in hexadecimal format. ## They are represented as decimal values for convenience. ## They must be changed when an Ethernet device is added or moved within the network. ## They are considered physical addresses. ## A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? ## logical topology ## cable path ## wiring grid ## access topology ## Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) ## the Layer 3 protocol selected ## the geographic scope of the network ## the PDU defined by the transport layer ## the physical layer implementation ## the number of hosts to be interconnected ## Which three session options does PPP offer? (Choose three.) ## multilink ## multipoint connectivity ## compression ## error checking ## authentication			marks the end of timing information
What are three characteristics of valid Ethernet Layer 2 addresses? (Choose three.) They are 48 binary bits in length. The consist of four eight-bit octets of binary numbers. They generally represented in hexadecimal format. They are represented as decimal values for convenience. They must be changed when an Ethernet device is added or moved within the network. They are considered physical addresses. A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? logical topology physical topology cable path wiring grid access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication		0	is used for timing synchronization with alternating patterns of ones and zeros
What are three characteristics of valid Ethernet Layer 2 addresses? (Choose three.) They are 48 binary bits in length. The consist of four eight-bit octets of binary numbers. They generally represented in hexadecimal format. They are represented as decimal values for convenience. They must be changed when an Ethernet device is added or moved within the network. They are considered physical addresses. A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? logical topology physical topology cable path wiring grid access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication	11		
The consist of four eight-bit octets of binary numbers. ☐ They generally represented in hexadecimal format. ☐ They are represented as decimal values for convenience. ☐ They must be changed when an Ethernet device is added or moved within the network. ☐ They are considered physical addresses. 12 A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? ☐ logical topology ☐ cable path ☐ wiring grid ☐ access topology 13 Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) ☐ the Layer 3 protocol selected ☐ the geographic scope of the network ☐ the PDU defined by the transport layer ☐ the physical layer implementation ☐ the number of hosts to be interconnected 14 Which three session options does PPP offer? (Choose three.) ☐ multilink ☐ multilink ☐ multilinch ☐ withentication	111	Who	at are three characteristics of valid Ethernet Layer 2 addresses? (Choose three.)
■ They generally represented in hexadecimal format. □ They are represented as decimal values for convenience. □ They must be changed when an Ethernet device is added or moved within the network. ■ They are considered physical addresses. 12 A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? □ logical topology □ physical topology □ cable path □ wiring grid □ access topology 13 Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) □ the Layer 3 protocol selected □ the geographic scope of the network □ the PDU defined by the transport layer □ the physical layer implementation □ the number of hosts to be interconnected 14 Which three session options does PPP offer? (Choose three.) □ multilink □ multipoint connectivity □ compression □ error checking □ authentication			They are 48 binary bits in length.
They are represented as decimal values for convenience. They must be changed when an Ethernet device is added or moved within the network. They are considered physical addresses. A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? logical topology physical topology cable path wiring grid access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			The consist of four eight-bit octets of binary numbers.
They must be changed when an Ethernet device is added or moved within the network. They are considered physical addresses. A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? logical topology physical topology cable path wiring grid access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			They generally represented in hexadecimal format.
They are considered physical addresses. A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? logical topology physical topology cable path wiring grid access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilinik multipoint connectivity compression error checking authentication			They are represented as decimal values for convenience.
A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? logical topology			They must be changed when an Ethernet device is added or moved within the network.
A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? logical topology			They are considered physical addresses.
A network administrator has been asked to provide a graphic representation of exactly where the company network wiring and equipment are located in the building. What is this type of drawing? logical topology	42		
network wiring and equipment are located in the building. What is this type of drawing? logical topology	12	A ne	etwork administrator has been asked to provide a graphic representation of exactly where the company
physical topology cable path wiring grid access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			work wiring and equipment are located in the building. What is this type of drawing?
cable path wiring grid access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			
wiring grid access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication		0	
access topology Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			
Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			
Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			access topology
Which three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.) the Layer 3 protocol selected the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication	13		
the geographic scope of the network the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication		Whi	ch three factors should be considered when implementing a Layer 2 protocol in a network? (Choose three.)
the PDU defined by the transport layer the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			the Layer 3 protocol selected
the physical layer implementation the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			the geographic scope of the network
the number of hosts to be interconnected Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication			the PDU defined by the transport layer
Which three session options does PPP offer? (Choose three.) multipoint connectivity compression error checking authentication			the physical layer implementation
 Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication 			the number of hosts to be interconnected
 Which three session options does PPP offer? (Choose three.) multilink multipoint connectivity compression error checking authentication 	14		
multipoint connectivity compression error checking authentication	14	Whi	ich three session options does PPP offer? (Choose three.)
 compression error checking authentication 			multilink
error checking authentication			multipoint connectivity
authentication			compression
			error checking
fastlink			authentication
			fastlink

Which statements describe the logical token-passing topology? (Choose two.)

	Network usage is on a first come, first serve basis.
	Computers are allowed to transmit data only when they possess a token.
	Data from a host is received by all other hosts.
	Electronic tokens are passed sequentially to each other.
	Token passing networks have problems with high collision rates.