



Vendor: Cisco

Exam Code: 640-875

Exam Name: Building Cisco Service Provider Next-Generation Networks, Part 1 (SPNGN1)

Version: DEMO

QUESTION 1

Which statement about IPv6 global unicast addresses is true?

- A. The first 3 bits is 001.
- B. The first 4 bits is 0011.
- C. The first 4 bits is 1111.
- D. The first 16 bits is FE80 in hex.
- E. The first 16 bits is FF00 in hex.
- F. The first 16 bits is 2002 in hex.
- G. The first 16 bits is 3FFE in hex.

Answer: A

QUESTION 2

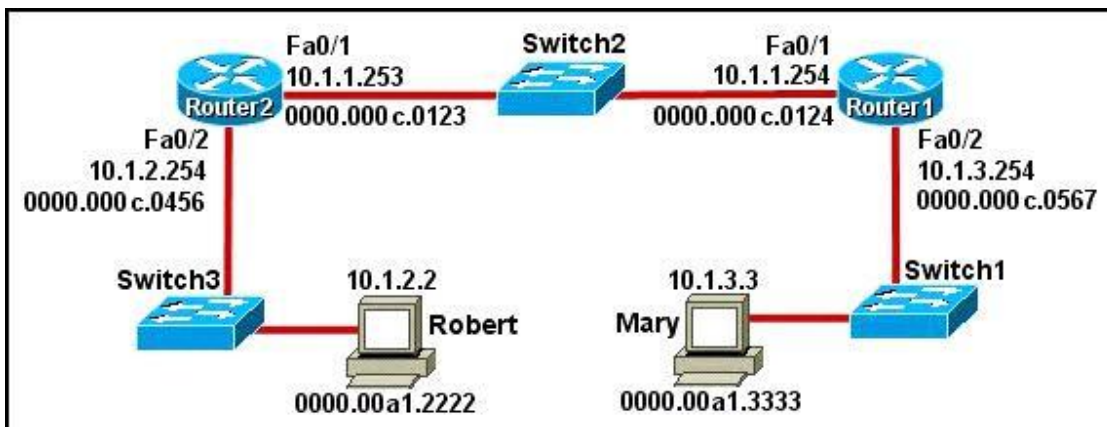
Given the IP address 10.106.170.145 255.248.0.0, which three options are the subnet that this IP address belongs to, the host IP address range on this subnet, and the subnet broadcast IP address?

- A. subnet = 10.104.0.0/13
- B. subnet = 10.106.0.0/13
- C. subnet = 10.112.0.0/13
- D. host IP address range = 10.104.0.1 to 10.111.255.254
- E. host IP address range = 10.106.0.1 to 10.106.255.254
- F. host IP address range = 10.106.0.1 to 10.119.255.254
- G. subnet broadcast IP address = 10.106.255.255
- H. subnet broadcast IP address = 10.111.255.255
- I. subnet broadcast IP address = 10.119.255.255

Answer: ADH

QUESTION 3

Refer to the exhibit. Robert is sending an instant message to Mary. The message will be broken into a series of packets that will traverse all network devices. Which four options are the MAC and IP source and destination addresses that will populate these packets as they are forwarded from Router2 to Router1? (Choose four.)



- A. source MAC = 0000.00a1.2222
- B. source MAC = 0000.000c.0123
- C. destination MAC = 0000.00a1.3333
- D. destination MAC = 0000.000c.0124
- E. source IP 10.1.2.2
- F. source IP 10.1.1.253
- G. destination IP = 10.1.3.3
- H. destination IP = 10.1.1.254

Answer: BDEG

QUESTION 4

Drag and Drop Question

Drag the routing protocols from the left and drop them on the correct categories on the right.

OSPF		IGP
IS-IS		Target
EIGRP		Target
BGP		Target
RIP		Target
		EGP
		Target

Answer:

Drag the routing protocols from the left and drop them on the correct categories on the right.

OSPF		IGP
IS-IS		IS-IS
EIGRP		RIP
BGP		OSPF
RIP		EIGRP
		EGP
		BGP

QUESTION 5

Which Layer 2 WAN protocol uses DLCI as the virtual circuit identifier?

- A. ATM
- B. PPP
- C. Frame Relay

- D. Packet over SONET
- E. Metro Ethernet

Answer: C

QUESTION 6

Which two statements about Packet over SONET are true? (Choose two.)

- A. POS is a Layer 2 technology that uses PPP in ATM encapsulation and SONET framing.
- B. The Layer 2 frame is encapsulated into a generic HDLC header (not Cisco proprietary HDLC) and placed into the appropriate SONET Payload Envelope.
- C. The FCS field can be set to 16 bits on one end and 32 bits on the other end of a POS connection without causing any connectivity issues.
- D. The Cisco POS interface supports Cisco HDLC and PPP encapsulation.
- E. POS can be used in a point-to-point or point-to-multipoint environment.

Answer: BD

QUESTION 7

Which pair of mechanisms are often used together to allow dynamic routing over a secured site-to-site VPN tunnel?

- A. GRE + SSL
- B. VTI + SSL
- C. VRF + SSL
- D. GRE + IPsec
- E. L2TP + IPsec
- F. VRF + IPsec

Answer: D

QUESTION 8

Which two statements about IPv4 DHCP operations are true? (Choose two.)

- A. If the DHCP clients and servers are on the same subnet, DHCP uses UDP broadcasts to communicate between the clients and servers.
- B. The DHCP server that receives a DHCPDISCOVER message may respond with a DHCPOFFER message on UDP port 67.
- C. A client can receive DHCPOFFER from multiple servers and it can accept all the offers by broadcasting the DHCPREQUEST message to all the servers.
- D. A DHCP relay is required if the DHCP clients and the servers are on the same subnet.
- E. If the client and server are on different subnets, DHCPDISCOVER and DHCPREQUEST messages are sent via UDP broadcasts, but DHCPOFFER and DHCPACK messages are unicast.
- F. The client broadcasts a DHCPDISCOVER message on UDP port 68 with its own MAC address to discover available DHCP servers.

Answer: AE

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<u>200-120</u>	<u>640-802</u>	<u>220-802</u>	<u>N10-005</u>	<u>1Z0-052</u>	<u>VCP510</u>	<u>C2180-319</u>
<u>300-206</u>	<u>640-816</u>	<u>BR0-002</u>	<u>SG0-001</u>	<u>1Z0-053</u>	<u>VCP550</u>	<u>C4030-670</u>
<u>300-207</u>	<u>640-822</u>	<u>CAS-001</u>	<u>SG1-001</u>	<u>1Z0-060</u>	<u>VCAC510</u>	<u>C4040-221</u>
<u>300-208</u>	<u>640-864</u>	<u>CLO-001</u>	<u>SK0-002</u>	<u>1Z0-474</u>	<u>VCP5-DCV</u>	<u>RedHat</u>
<u>350-018</u>	<u>642-467</u>	<u>ISS-001</u>	<u>SK0-003</u>	<u>1Z0-482</u>	<u>VCP510PSE</u>	<u>EX200</u>
<u>352-001</u>	<u>642-813</u>	<u>JK0-010</u>	<u>SY0-101</u>	<u>1Z0-485</u>		<u>EX300</u>
<u>400-101</u>	<u>642-902</u>	<u>JK0-801</u>	<u>SY0-301</u>	<u>1Z0-580</u>		
<u>640-461</u>	<u>700-302</u>			<u>1Z0-820</u>		

