642-885 Q&As

Deploying Cisco Service Provider Advanced Routing

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QUESTION 1

The IPv6 2002::/16 prefix is used in which kind of implementations?

A. 6 RD

B. 6 to 4

C. NAT 64

D. IPv6 Multicast

Correct Answer: B

QUESTION 2

In which four ways does DHCPv6 differ from DHCPv4? (Choose four.)

A. DHCPv6 uses the same message types as DHCPv4.

B. DHCPv4 functions without external protocols.

C. A host discovers a DHCPv6 server by using a DHCP Discover packet.

D. A hosts discovers a DHCPv6 server by using a DHCP Solicit packet.

E. A DHCPv6 server replies with a DHCP Offer packet.

F. A DHCP server replies with a DHCP Advertise message.

G. An IPv6 host can request multiple addresses at the same time from a DHCPv6 server.

H. An IPv6 host can request only one IP address at a time from a DHCPv6 server.

Correct Answer: BDFG

QUESTION 3

Which two actions result when a network administrator attempts to ping an IPv6 host on the LAN? (Choose two.)

A. ARP is used to determine the MAC address of the destination host.

B. Neighbor Discovery is used to determine the MAC address of the destination host.

C. Neighbor Solicitation messages are sent out by the source host to determine the data link-layer address of the destination host.

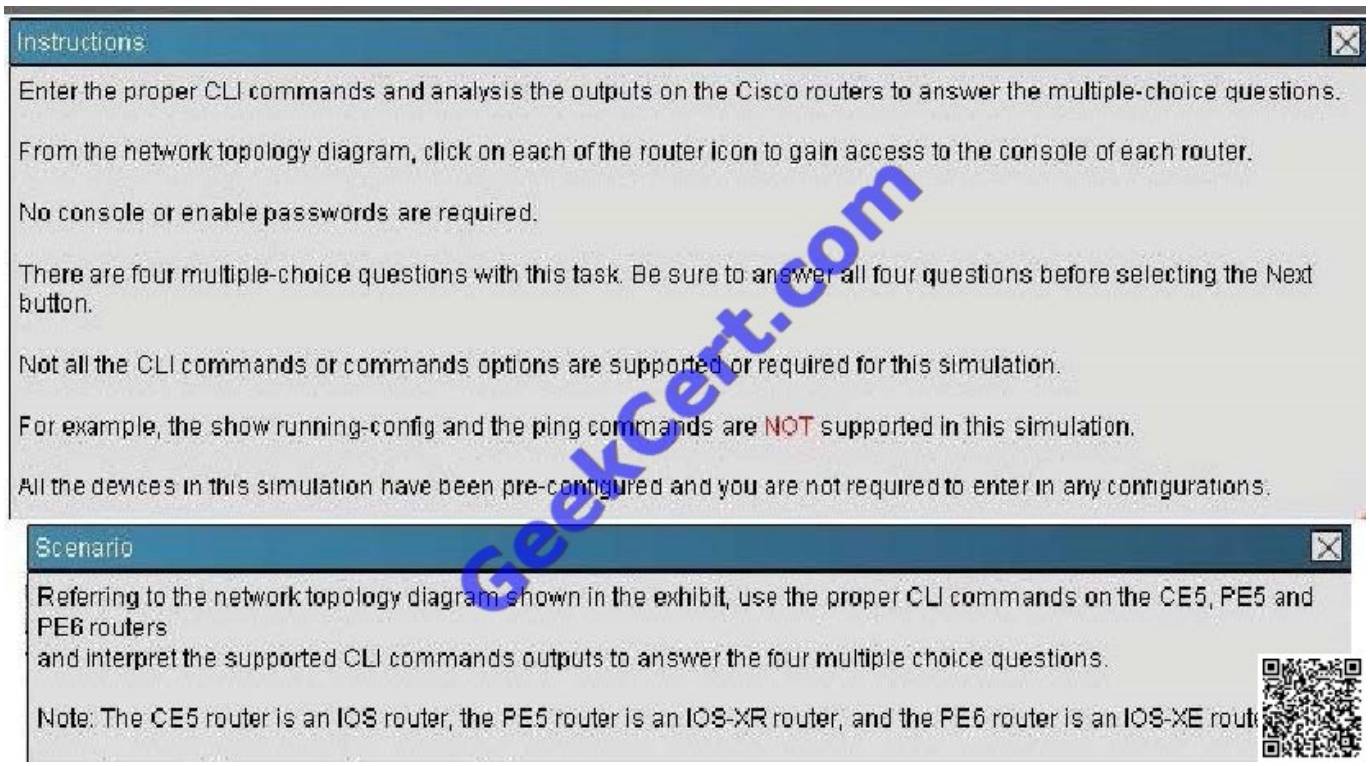
D. Neighbor Advertisement messages are sent by the source host to announce its presence on the local link.

E. Router Solicitation messages are sent out on a specific multicast address to request the data link-layer address of the target device.

F. Router Solicitation messages are sent to the local router on the network segment to request data link-layer information about the destination host.

Correct Answer: BC

QUESTION 4



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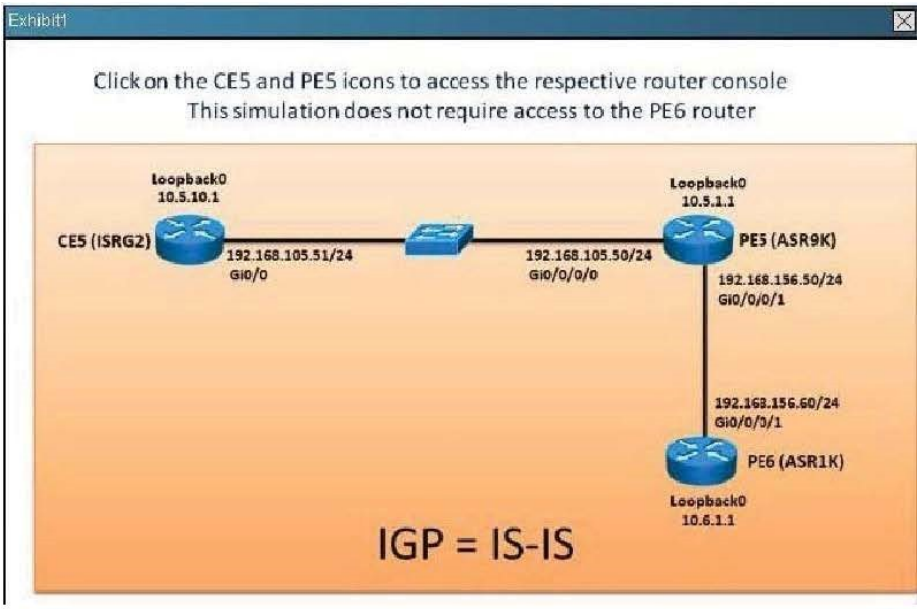
Exhibit1
Click on the CE5 and PE5 icons to access the respective router console
This simulation does not require access to the PE6 router
Loopback0
10.5.10.1
CE5 (ISRG2)
192.168.105.51/24
Gi0/0
192.168.105.50/24
Gi0/0/0/0
Loopback0
10.5.1.1
PE5 (ASR9K)
192.168.156.50/24
Gi0/0/0/1
192.168.156.60/24
Gi0/0/0/1
PE6 (ASR1K)
Loopback0
10.6.1.1
IGP = IS-IS

CE5
CE5#

PE5
PE5#

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Which three statements are correct regarding the various multicast groups? (Choose three.)

A. Currently there is no source sending traffic to the 224.1.1.1 multicast group

B. PE5 has a Null OILforthe (*,224.0.1.40) entry

C. PE5 has a Null OILforthe (*,224.1.1.1) entry

D. CE5 has joined the 224.0.1.40 multicast group

E. CE5 has a Null OILforthe (*,224.1.1.1) entry

Correct Answer: CDE

#show ip mroute

QUESTION 5

Refer to the Cisco IOS-XR configuration exhibit.

```
multicast-routing
!
interface Loopback0
 ipv4 address 10.3.1.1 255.255.255.255
!
interface GigabitEthernet0/0/0/0
 ipv4 address 192.168.103.30 255.255.255.0
 no shut
!
interface GigabitEthernet0/0/0/1
 ipv4 address 192.168.156.50 255.255.255.0
 no shut
!
router isis 1
 net 49.0005.0100.0300.1001.00
 address-family ipv4 unicast
  !
 interface Loopback0
  address-family ipv4 unicast
  !
 interface GigabitEthernet0/0/0/0
  address-family ipv4 unicast
 !
 interface GigabitEthernet0/0/0/1
  address-family ipv4 unicast
!
router pim
address-family ipv4
auto-rp mapping-agent Loopback0 scope 16
auto-rp candidate-rp Loopback0 scope 16
!
interface Loopback0
enable
interface GigabitEthernet0/0/0/0
enable
interface GigabitEthernet0/0/0/1
enable
!
```

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The Cisco IOS-XR router is unable to establish any PIM neighbor relationships. What is wrong with the configuration?

A. The configuration is missing: interface gi0/0/0/0 ip pim sparse-mode interface gi0/0/0/1 ip pim sparse-mode interface loopback0 ip pim sparse-mode

B. The configuration is missing: multicast-routing address-family ipv4 interface gi0/0/0/0 enable interface gi0/0/0/1 enable

C. The auto-rp scoping configurations should be set to 1 not 16

D. The RP address has not been configured using the rp-address router PIM configuration command

E. PIM defaults to dense mode operations only, so PIM sparse mode must be enabled using the pim sparse-mode router PIM configuration command

Correct Answer: B

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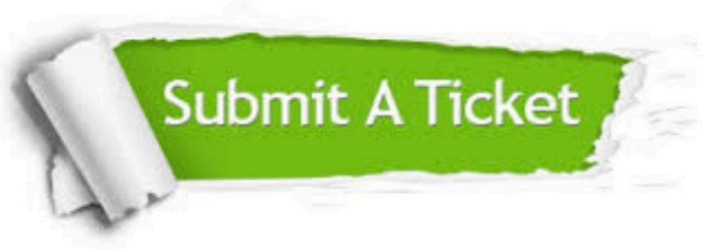

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