



# 642-885<sup>Q&As</sup>

Deploying Cisco Service Provider Advanced Routing

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### QUESTION 1

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

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### QUESTION 2

Which option shows the equivalent multicast MAC address mapping of multicast address 239.210.101.190?

- A. 01:00:5e:52:65:be
- B. 01:00:5d:52:65:be
- C. 01:00:5f:52:65:be
- D. 01:00:5c:52:65:be

Correct Answer: A

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### QUESTION 3

Which multicast routing protocol is used to forward multicast data along the optimal path from source to receivers?

- A. PIM DM
- B. PIM Bi-Dir
- C. PIM SM
- D. SSM
- E. IGMP
- F. MSDP



Correct Answer: C

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#### QUESTION 4

A network engineer must configure a Cisco IOS XR router with BGP dampening. Which configuration meets these parameters?

- A. router bgp 60 bgp dampening
- B. router bgp 60 neighbor 10.0.0.2 bgp dampening
- C. router bgp 60 address-family ipv4 unicast bgp dampening
- D. route-policy dampening\_specific drop ! router bgp 60 address-family ipv4 unicast bgp dampening route-policy dampening\_specific
- E. router bgp 60 address-family ipv4 bgp dampening

Correct Answer: C

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#### QUESTION 5

Which command set implements BGP support for NSF/SSO on Cisco IOS XE between a PE and a route reflector?

- A. On RR: router bgp 300 no synchronization bgp log-neighbor-changes bgp graceful-restart restart-time 120 bgp graceful-restart stalepath-time 360 bgp graceful-restart neighbor 10.20.20.2 remote-as 200 neighbor 10.20.20.2 update-source Loopback0 no auto-summary ! address-family vpnv4 neighbor 10.20.20.2 activate neighbor 10.20.20.2 send-community both neighbor 10.20.20.2 route-reflector-client exit-address-family On PE: router bgp 300 no synchronization bgp log-neighbor-changes bgp graceful-restart restart-time 120 bgp graceful-restart stalepath-time 360 bgp graceful-restart neighbor 10.20.20.1 remote-as 300 neighbor 10.20.20.1 update-source Loopback0 no auto-summary ! address-family vpnv4 neighbor 10.20.20.1 activate neighbor 10.20.20.1 send-community both exit-address-family !
- B. On RR: router bgp 300 no synchronization bgp log-neighbor-changes bgp graceful-restart restart-time 120 bgp graceful-restart stalepath-time 360 bgp graceful-restart neighbor 10.20.20.2 remote-as 200 neighbor 10.20.20.2 update-source Loopback0 no auto-summary ! address-family vpnv4 neighbor 10.20.20.2 activate neighbor 10.20.20.2 send-community both neighbor 10.20.20.2 route-reflector-client exit-address-family On PE: router bgp 300 no synchronization bgp log-neighbor-changes neighbor 10.20.02.1 remote-as 300 neighbor 10.20.20.1 update-source Loopback0 no auto-summary ! address-family vpnv4 neighbor 10.20.20.1 activate neighbor 10.20.20.1 send-community both exit-address-family !
- C. On RR: router bgp 300 no synchronization bgp log-neighbor-changes bgp graceful-restart restart-time 120 bgp graceful-restart stalepath-time 360 bgp graceful-restart neighbor 10.20.20.2 remote-as 200 neighbor 10.20.20.2 update-source Loopback0 no auto-summary ! address-family vpnv4 neighbor 10.20.20.2 activate neighbor 10.20.20.2 send-community both neighbor 10.20.20.2 route-reflector-client exit-address-family On PE: router bgp 300 no synchronization bgp log-neighbor-changes neighbor 10.20.20.1 remote-as 300 neighbor 10.20.20.1 update-source Loopback0 neighbor 10.20.20.1 ha-mode sso no auto-summary ! address-family vpnv4 neighbor 10.20.20.1 activate neighbor 10.20.20.1 send-community both exit-address-family !
- D. On RR: router bgp 300 no synchronization bgp log-neighbor-changes neighbor 10.20.20.2 remote-as 200 neighbor 10.20.20.2 update-source Loopback0 neighbor 10.20.20.2 ha-mode sso no auto-summary ! address-family vpnv4 neighbor 10.20.20.2 activate neighbor 10.20.20.2 send-community both neighbor 10.20.20.2 route-reflector-client exit-address-family On PE: router bgp 300 no synchronization bgp log-neighbor-changes neighbor 10.20.20.1 remote-as 300 neighbor 10.20.20.1 update-source Loopback0 neighbor 10.20.20.1 ha-mode sso no auto-summary ! address-



family vpnv4 neighbor 10.20.20.1 activate neighbor 10.20.20.1 send-community both exit-address-family !

E. On RR: router bgp 300 no synchronization

bgp log-neighbor-changes

neighbor 10.20.20.2 remote-as 200

neighbor 10.20.20.2 update-source Loopback0

no auto-summary

!

address-family vpnv4

neighbor 10.20.20.2 activate

neighbor 10.20.20.2 send-community both

neighbor 10.20.20.2 route-reflector-client

exit-address-family

On PE:

router bgp 300

no synchronization

bgp log-neighbor-changes

bgp graceful-restart restart-time 120

bgp graceful-restart stalepath-time 360

bgp graceful-restart

neighbor 10.20.20.1 remote-as 300

neighbor 10.20.20.1 update-source Loopback0

no auto-summary

!

address-family vpnv4

neighbor 10.20.20.1 activate

neighbor 10.20.20.1 send-community both

exit-address-family

!

Correct Answer: A



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