# 642-889<sup>Q&As</sup>

Implementing Cisco Service Provider Next-Generation Edge Network Services

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**QUESTION 1**

Refer to the configuration below. Which statement about the advertisement of a VPNv4 prefix that is present in the VRF A RIB is true?

```
vrf definition A
 rd 100:1
 route-target export 65000:100
 route-target import 65000:100
 route-target import 65000:200
 !
 address-family ipv4
 route-target export 65000:300
 route target import 65000:300
 exit-address-family
 !
 address-family ipv6
 route-target export 65000:500
 route-target import 65000:500
 route-target import 65000:600
 !
 exit-address-family
```

A. The prefix is advertised with route target 65000:500

B. The prefix is advertised with route targets 65000:100 and 65000:300

C. The prefix is advertised with route target 65000:100

D. The prefix is advertised with route target 65000:300

Correct Answer: D

**QUESTION 2**

Refer to the exhibit. If R1 is operating in a Cisco IOS XR environment, which task must you perform to complete the VPLS configuration?

```
R1
l2vpn
    bridge group 2
        bridge-domain PE1-VPLS-A
            GigabitEthernet0/1
            vfi 1
                neighbor 10.1.1.2 pw-id 1
                neighbor 10.1.1.3 pw-id 1
    interface loopback 0
        ipv4 address 10.1.1.1 255.255.255.255
```

A. Enter the commit command to save the configuration

B. Enter the exit command at the end of the loopback 0 configuration

C. Change the bridge group number to match the loopback interface number

D. Verify that other devices can reach the loopback interface

Correct Answer: A

## QUESTION 3

Which two BGP attributes prevent loops in a route reflector environment? (Choose two.)

A. local preference

B. cluster ID

C. origin

D. originator ID

E. AS_PATH

Correct Answer: BD

## QUESTION 4

Which IPv6 deployment method extends IPv6 to the network edge global routing table by using LSPs over an MPLS/IPv4 core?

A. 6PE

B. 6VPE

C. 6to4

D. NAT464

Correct Answer: C

**QUESTION 5**

When implementing Q-in-Q tunneling, the provider switch is configured as a trunk port toward the backbone network. Which switchport mode should be configure for the interface toward the customer?

A. dot1q tunnel

B. dot1q trunk

C. access

D. ISL trunk

Correct Answer: A

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