300-515^{Q&As}

Implementing Cisco Service Provider VPN Services (SVPI)

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QUESTION 1

Refer to the exhibit.

```
Router 1:

router bgp 65515
no bgp default ipv4-unicast
bgp router-id 192.168.0.1
neighbor 191.168.0.2 remote-as 65515

address-family ipv4
   neighbor 191.168.0.2 route-reflector-client

address-family vpnv4
   neighbor 191.168.0.2 activate
   neighbor 100.1.3.3 send-community extended
```

Router 1 is a route reflector client within a service provider core PE1 cannot see VPNv4 routes received from the ASBR PE1 only has an iBGP relationship with Router 1. Which action resolves this issue?

A. Activate PE1 as a neighbor under the IPv4 address family.

B. Configure Router 1 as a route reflector for PE1 under the VPNv4 address family.

C. Configure PE1 to have an eBGP relationship with Router 1.
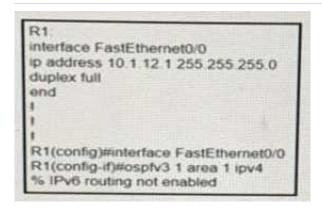
D. Enable BGP default ipv4-unicast

Correct Answer: B

QUESTION 2

Refer to the exhibit:

```
R1
interface FastEthernet0/0
ip address 10 1 12 1 255 255 255.0
duplex full
end
!
!
!
R1(config)#interface FastEthernet0/0
R1(config-if)#ospfv3 1 area 1 ipv4
% IPv6 routing not enabled
```

A network engineer is implementing an OSPF configuration Based on the output, which statement is true?

A. In the ospfv3 1 area 1 ipv4 command, area 0 must be configured instead of area 1.

B. OSPFv3 does not run for IPv4 on FastEthemet0/0 until IPv6 routing is enabled on the router and IPv6 is enabled on interface Fastfc.thernet0/0

C. OSPFv3 cannot be configured for IPv4; OSPFv3 works only for IPv6.

D. IPv6 routing not enabled" is just an informational message and OSPFv3 runs for IPv4 on interface FastEthernet0/0 anyway

Correct Answer: B

QUESTION 3

Which BGP feature causes to replace the AS number of originating router with the AS number of the sending router?

A. route reflectors

B. route dampening

C. confederations

D. AS override

Correct Answer: D

Reference: https://community.cisco.com/t5/networking-documents/understanding-bgp-as-override-feature/ta-p/3111967

QUESTION 4

Which is the primary function of a MPLS L3 VPN route target?

A. It imports and exports identified routes into selected VRFs.

B. It uniquely identifies NLRIs that have the same numeric value.

C. It imports the external routes it identifies into VRFs that support Internet traffic

D. It supports QoS by classifying traffic by file type when it applies MPLS EXP bits to each packet.

Correct Answer: A

QUESTION 5

```
PE1                                    PE2
ip vrf CE1                             ip vrf CE2
   rd 101:1                               rd 202:2
   route-target export 100:1             route-target export 200:2
   route-target import 200:2             route-target import 100:1

PE3                                    PE4
ip vrf CE3                             ip vrf CE4
   rd 303:3                               rd 404:4
   route-target export 300:3             route-target export 400:4
   route-target import 400:4             route-target import 300:3
```

Refer to the exhibit. A network engineer has been called to configure the four PE devices in order to enable full communication among the four CE devices connected to them. While starting to configure, he experienced a connectivity issue. Which two tasks should the engineer perform in order to begin the process correctly? (Choose two.)

A. Configure PE3 to export route-targets 100:1 and 200:2.

B. Configure PE3 to import route-targets 100:1 and 200:2.

C. Configure PE4 to import route-targets 101:1 and 202:2.

D. Configure PE2 to export route-targets 300:3 and 400:4.

E. Configure PE1 to import route-targets 300:3 and 400:4.

Correct Answer: AB