300-515^{Q&As}

Implementing Cisco Service Provider VPN Services (SVPI)

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QUESTION 1

DRAG DROP

```
interface GigabitEthernet0/1
switchport trunk allowed vlan none
switchport mode trunk
service instance 2 ethernet
  encapsulation dot1q 10
  xconnect 192.168.2.2 22 encapsulation mpls
```

Refer to the exhibit. Drag and drop the EVC configuration items from the left onto the correct descriptions on the right.

Select and Place:

switchport mode trunk	It denies globally defined VLANs from egressing and ingressing the port.
service instance 2 ethernet	It allows the port to operate as an 802.1q trunk.
switchport trunk allowed vlan none	It classifies traffic under a defined process.
xconnect 192.168.2.2 22 encapsulation mpls	It allows the port to process VLAN 10 traffic in Service Instance 2.
encapsulation dot1q 10	It defines the pseudowire parameters.

Correct Answer:

	switchport trunk allowed vlan none
	switchport mode trunk
	service instance 2 ethernet
	encapsulation dot1q 10
	xconnect 192.168.2.2 22 encapsulation mpls

QUESTION 2

R1

router bgp 65010
no bgp default ipv4-unicast
neighbor 192.168.1.1 remote-as 65010
address-family ipv4
neighbor 192.168.1.1 activate

Refer to the exhibit. Which statement describes the result of this BGP configuration?

A. R1 operates using IPv4 and VPNv4 address families.

B. R1 operates on IPv6 only because the bgp default ipv4-unicast command is missing.

C. R1 establishes a VPNv4 eBGP relationship with neighbor 192.168.1.1.

D. R1 establishes an iBGP relationship with peer 192.168.1.1.

Correct Answer: D

QUESTION 3

What do routers on the network use to avoid routing loops when OSPF is running as the PE-CE routing protocol on a service provider network?

A. the AS-Override feature

B. the DN bit with type 3, 5, or 7 LSA

C. the domain tag for type 2 LSA

D. sham links to create a super backbone over the service provider network

Correct Answer: B

QUESTION 4

```
Router# show mpls forwarding-table
Local   Outgoing       Prefix            Bytes label   Outgoing     Next Hop
label   label or VC    or Tunnel Id      switched      interface
29      Pop tag        10.22.22.22/32    0             Gi1/1/0      172.32.0.1
32      0              10.24.24.24/32    0             Gi1/0/0      192.168.1.2
33      0              172.24.24.24/32   0             Gi1/0/0      192.168.1.2
34      0              192.168.0.0/8     0             Gi1/0/0      192.168.1.2
35      0              10.25.25.25/32    0             Gi1/0/0      192.168.1.2
36      0              172.16.0.0/8      0             Gi1/0/0      192.168.1.2
37      25             10.26.26.26/32    0             Gi1/0/0      192.168.1.22
38      0              10.34.34.34/32    0             Gi1/0/0      192.168.1.2
```

Refer to the exhibit. Which statement about this output is true?

A. The router IP 192.168.1.2 sent an implicit null, and the output is from the penultimate LSR.

B. The adjacent router is the egress LSR and has mpls ldp explicit-null configured.

C. The adjacent LSR router configured mpls label range 0.

D. The zero in the second column is the normal behavior of an egress router LSR.

Correct Answer: B

QUESTION 5

An engineer is investigating an EVPN traffic flow issue. Which type of traffic should the engineer allow in an EVPN Tree Service in order to fix this issue?

A. known unicast from a leaf to another leaf

B. unknown unicast from a leaf to another leaf

C. multicast from a leaf to another leaf

D. known unicast from a root to another root

Correct Answer: D

Reference: https://tools.ietf.org/html/draft-ietf-bess-evpn-etree-14

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