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Vendor: Cisco

Exam Code: 642-889

Exam Name: Implementing Cisco Service Provider Next-Generation Edge Network Services (SPEDGE)

Version: DEMO

QUESTION 1

Refer to the Cisco IOS XR router output exhibit, which method is being used to transport IPv6 traffic over the service provider network?

```
RP/0/RP1/CPU0:R1#show route vrf red ipv6

Codes: C - connected, S - static, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - ISIS, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, su - IS-IS summary null, * - candidate default
U - per-user static route, o - ODR, L - local

Gateway of last resort is not set

B 2001:db80:beef:1::/64

[200/0] via ::ffff:192.168.253.6 (nexthop in vrf default),07:04:14
```

- A. 6PE
- B. 6VPE
- C. native IPv6
- D. native IPv4
- E. dual stack

Answer: B

QUESTION 2

Which two statements regarding Cisco 6PE operations are correct? (Choose two.)

- A. The top label in the label stack is assigned by MP-BGP, and it is used to reach the egress PE.
- B. The inner label in the label stack is assigned by MP-BGP, and it is used for IPv6 forwarding at the egress PE.
- C. The top label in the label stack is assigned by LDP, and it is used to reach the egress PE.
- D. The inner label in the label stack is assigned by LDP, and it is used for IPv6 forwarding at the egress PE.

Answer: BC

QUESTION 3

Which Cisco IOS XR BGP configuration command is required to enable MP-BGP to carry IPv6 VPN routes?

- A. address-family ipv4 unicast
- B. address-family ipv6 unicast
- C. address-family vpv4 unicast
- D. address-family vpv6 unicast

Answer: D

QUESTION 4

Which statement regarding the Cisco IOS BGP configuration exhibit is correct?

```
router bgp 65101
no bgp default ipv4-unicast
neighbor 172.16.1.1 remote-as 65101
neighbor 172.16.2.1 remote-as 65101
neighbor 172.16.3.1 remote-as 65101
!
address-family ipv4
neighbor 172.16.1.1 activate
neighbor 172.16.3.1 activate
!
address-family vpv4
neighbor 172.16.2.1 activate
neighbor 172.16.3.1 activate
```

- A. None of the routers will receive IPv4 BGP routes.
- B. Only the 172.16.2.1 and 172.16.3.1 neighbors will receive both VPNv4 routes and IPv4 BGP routes.
- C. Only the 172.16.3.1 neighbor will receive both VPNv4 routes and IPv4 BGP routes.
- D. All three neighbors (172.16.1.1, 172.16.2.1, and 172.16.3.1) will receive both VPNv4 routes and IPv4 BGP routes.
- E. All three neighbors (172.16.1.1, 172.16.2.1, and 172.16.3.1) will receive IPv4 BGP routes.

Answer: C

QUESTION 5

When implementing MPLS Layer 3 VPNs with customers running OSPF as the CE-PE routing protocol, the service provider MPLS backbone looks like what to the CE routers?

- A. the backbone (Area 0)
- B. an external routing domain
- C. a superbackbone that is transparent to the CE OSPF routers
- D. a transit area (similar to a transit area for supporting virtual links)

Answer: C

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<u>200-120</u>	<u>640-802</u>	<u>220-802</u>	<u>N10-005</u>	<u>1Z0-052</u>	<u>VCP510</u>	<u>C2180-319</u>
<u>300-206</u>	<u>640-816</u>	<u>BR0-002</u>	<u>SG0-001</u>	<u>1Z0-053</u>	<u>VCP550</u>	<u>C4030-670</u>
<u>300-207</u>	<u>640-822</u>	<u>CAS-001</u>	<u>SG1-001</u>	<u>1Z0-060</u>	<u>VCAC510</u>	<u>C4040-221</u>
<u>300-208</u>	<u>640-864</u>	<u>CLO-001</u>	<u>SK0-002</u>	<u>1Z0-474</u>	<u>VCP5-DCV</u>	<u>RedHat</u>
<u>350-018</u>	<u>642-467</u>	<u>ISS-001</u>	<u>SK0-003</u>	<u>1Z0-482</u>	<u>VCP510PSE</u>	<u>EX200</u>
<u>352-001</u>	<u>642-813</u>	<u>JK0-010</u>	<u>SY0-101</u>	<u>1Z0-485</u>		<u>EX300</u>
<u>400-101</u>	<u>642-902</u>	<u>JK0-801</u>	<u>SY0-301</u>	<u>1Z0-580</u>		
<u>640-461</u>	<u>700-302</u>			<u>1Z0-820</u>		

