



Vendor: Cisco

Exam Code: 642-889

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

Version: DEMO

QUESTION 1

Which VPN technology is an example of a full-mesh VPN?

- A. VTI
- B. GRE VPN
- C. Frame Relay L2 VPN
- D. MPLS L3VPN

Answer: D

QUESTION 2

Which VPN technology allows remote sites with dynamic IP addresses to connect to a central hub?

- A. static IPsec tunnels
- B. site-to-site VPN
- C. DMPVN
- D. VRFs

Answer: C

QUESTION 3

A customer wants two separated sites to be connected via a pseudo-wire. Which solution provides the simplest implementation?

- A. AToM
- B. Layer 3 VPN
- C. VPLS
- D. GETVPN

Answer: A

QUESTION 4

Which three options are features of MPLS Layer 2 VPNs? (Choose three.)

- A. Routing occurs on customer devices.
- B. Routing occurs on service provider and customer devices.
- C. Customer sites appear to be on the same LAN.
- D. Customer sites appear to be on different LANs in the same routing domain.
- E. A routing protocol must be configured between the CE and PE device.
- F. Traffic between CE and PE is forwarded in Layer 2 format.

Answer: ACF

QUESTION 5

Which two options are disadvantages of MPLS Layer 3 VPNs? (Choose two.)

- A. IP-only support
- B. lack of scalability

- C. dependency on service provider Layer 3 model
- D. complex PE-CE configuration
- E. less efficient than hub-and-spoke model

Answer: AD

QUESTION 6

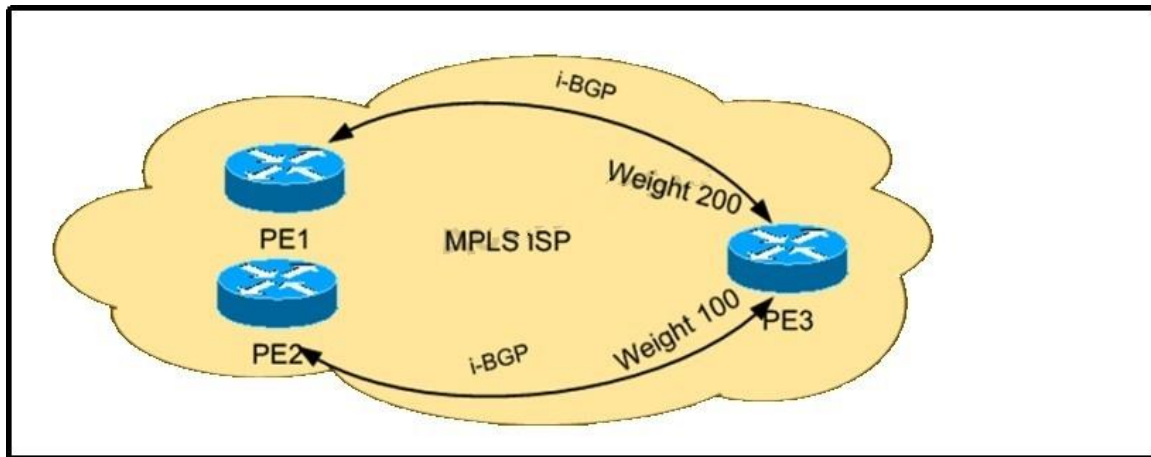
What is the purpose of the route distinguisher in a service provider network?

- A. to identify which prefixes should be imported
- B. to identify customer local prefixes
- C. to identify customer global prefixes
- D. to identify which prefixes should be exported from BGP

Answer: C

QUESTION 7

Refer to the exhibit. PE1 and PE2 are advertising the same subnet 10.10.10.0/24 and export route-target to PE3. Which PE advertised subnet is installed at the PE3 BGP table?



- A. PE1 subnet only, due to higher BGP assigned weight.
- B. PE2 subnet only because it is a member in the same VRF.
- C. PE1 and PE2 subnets
- D. PE1 and PE2 subnets as 300:300:10.10.10.0/24

Answer: C

QUESTION 8

A routing entry on a PE router has an ext-hop address of ::ffff:[IP ADDRESS]. Which service provider technology is being deployed?

- A. 6VPE
- B. 6PE
- C. 4to6 tunnel
- D. 6to4 tunnel

Answer: B

QUESTION 9

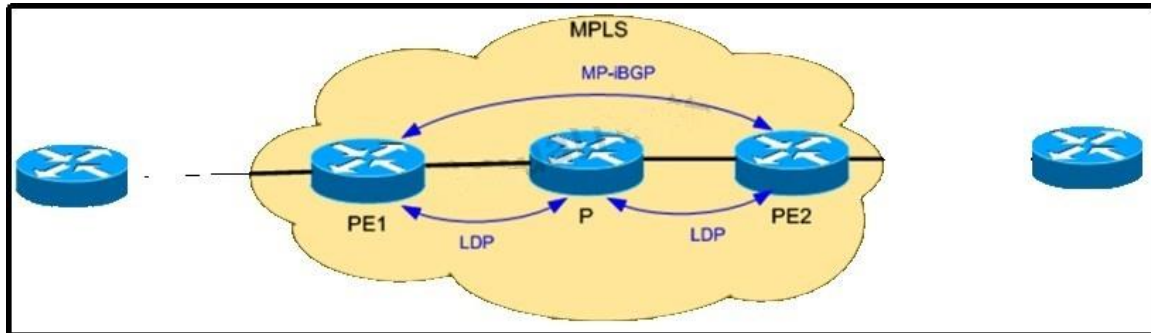
When is it appropriate to activate the VPNv6 address family?

- A. when implementing 6PE
- B. when running dual stack at the provider edge
- C. when implementing 6to4 tunneling
- D. when implementing 6VPE

Answer: D

QUESTION 10

Refer to the exhibit. A customer wants to deploy an IPv6 VPN network over the MPLS provider. Which option describes what must be enabled on the MPLS provider to support this request?



- A. IPv6 should be deployed inside the core network of the provider.
- B. LDP also should be configured to provide labels for IPv6 routes.
- C. MP-iBGP VPNv6 session should be configured with current IPv4 addresses.
- D. MP-iBGP IPv6 session should be configured with current IPv4 addresses.

Answer: C

QUESTION 11

A Cisco IOS XR router is acting as a PE and is running EIGRP as the CE-PE routing protocol. SOO must be configured. Under which subconfiguration mode should SOO be configured?

- A. RP/0/0/CPU0:XR1 (config-eigrp)
- B. RP/0/0/CPU0:XR1 (config-eigrp-vrf-af-if)
- C. RP/0/0/CPU0:XR1 (config-eigrp-vrf)
- D. RP/0/0/CPU0:XR1 (config-eigrp-vrf-af)

Answer: B

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