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**Cisco**

## **Exam Questions 642-889**

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

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### QUESTION 1

Refer the exhibit.

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On PE7, which interface connects to the CE7 and what is the name of the VRF that interface is associated to? {Choose two.}

A. Gi0/0/0/0

B. Gi0/0/0/1

C. Gi0/0/0/2

D. Customer\_1

E. Customer\_A

F. Customer\_CE7

Answer: BC

Explanation: # show ip vrf interfaces

### QUESTION 2

Refer to the exhibit.

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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 3

When implementing VPLS on Cisco IOS XR routers, the customer-facing subinterfaces on the PE routers are assigned to which Cisco EVC component?

A. bridge group

B. bridge domain

C. VFI

D. Layer 2 transport

E. BVI

Answer: B

Explanation: 642-889 dumps exhibit

### QUESTION 4

DRAG DROP

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Answer:

Explanation: [http://www.cisco.com/application/pdf/en/us/guest/tech/tk891/c1482/cdccont\\_0900aecd80162184.pdf](http://www.cisco.com/application/pdf/en/us/guest/tech/tk891/c1482/cdccont_0900aecd80162184.pdf)

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### QUESTION 5

Which three possible misconfigurations can occur on the backbone IGP section of an MPLS Layer 3 VPN setup? {Choose three.}

A. configuring the LDP router ID with an incorrect loopback interface

B. configuring the wrong AS number on a client eBGP peering



- C. configuring the wrong area number on a PE-CE OSPF link
- D. decreasing the MPLS MTU
- E. disabling MPLS on a core link
- F. disabling MPLS LDP sync in the IGP routing process

Answer: ADE

#### QUESTION 6

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 7

A service provider wants to scale MAC address advertisements in its next generation E-LAN and E-TREE designs. Which technology can be used in the service provider cloud to reach this goal?

- A. PBB EVPN
- B. VPLS
- C. 802.1Q
- D. 802.3ad

Answer: A

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