DUMPSARENA

Implementing Cisco Service Provider VPN Services (300-515 SPVI)

Cisco 300-515

Version Demo

Total Demo Questions: 10

Total Premium Questions: 59

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Topic Break Down

Topic	No. of Questions
Topic 1, VPN Architecture	23
Topic 2, Layer 2 VPNs	13
Topic 3, Layer 3 VPNs	21
Topic 4, IPv6 VPNs	2
Total	59

QUESTION NO: 1

Which two statements about MPLS L3 VPN RDs are true? (Choose two.)

A. They enable EIGRP to use address families to separate traffic between IPv4 and VPNv4.

B. They are represented as 32-bit values

C. They are represented as 64-bit values.

D. They enable OSPF to import and export routes into the global routing table of a router.

E. They allow BGP to uniquely identify duplicate routes.

ANSWER: C E

QUESTION NO: 2

Which two frames can be configured on an Ethernet flow point? (Choose two.)

A. of a specific VLAN

B. with different type of service values

C. with identical type of service value

D. with different class of service values

E. with no tags

ANSWER: A E

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/cether/configuration/xe-3s/asr903/16-5-1/b-ce-xe-16-5-asr900/trunk-efp-support.html

QUESTION NO: 3

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

ANSWER: D

Explanation:

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

QUESTION NO: 4

PE1 ip vrf CE1 rd 101:1 route-target export 100:1 route-target import 200:2	PE2 ip vrf CE2 rd 202:2 route-target export 200:2 route-target import 100:1
PE3 ip vrf CE3 rd 303:3 route-target export 300:3 route-target import 400:4	PE4 ip vrf CE4 rd 404:4 route-target export 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.

ANSWER: A B

QUESTION NO: 5

An engineer is troubleshooting AToM on an IOS XE router and receives an error when creating the xconnect.

Which command does he need to complete to create the xconnect in AToM?

A. encapsulation mpls

B. encapsulation 12tpv3

C. protocol 12tpv3

D. protocol none

ANSWER: A

QUESTION NO: 6

While troubleshooting EoMPLS configuration problems, which three parameters should an engineer match between the two ends of the pseudowire configurations? (Choose three.)

A. VLAN name

B. Xconnect group name

C. EFP subinterface number

D. pseudowire ID

E. MTU size

F. control word usage

ANSWER: D E F

Explanation:

Reference: https://www.cisco.com/c/en/us/support/docs/multiprotocol-label-switching-mpls/mpls/213238-mpls-l2vpn-pseudowire.html

QUESTION NO: 7

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

ANSWER: D

Explanation:

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

QUESTION NO: 8

The network engineering group of a large ISP needs to harden the management plane of its Cisco 9000 Series ASRs. While addressing IPv6 ICMP issues, they realized they have to limit the rate at which IPv6 ICMP error messages are sent out on the network. Which command do they need to apply?

A. icmp ipv6 rate-limit unreachable 1000

B. ipv6 rate-limit 1000

C. icmp ipv4 rate-limit unreachable 1000

D. ipv6 icmp error-interval 50 20

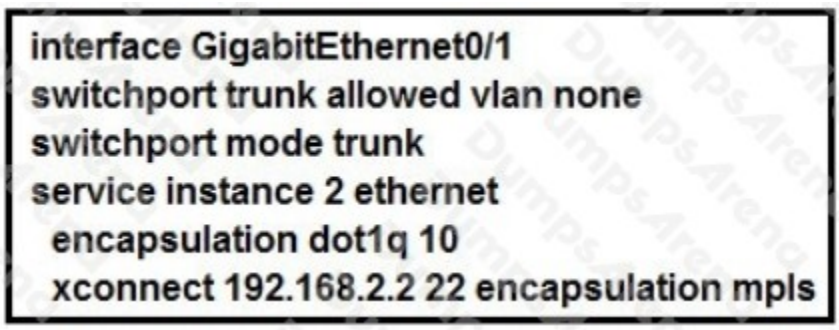
ANSWER: D

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipv6_basic/configuration/xe-3s/ip6b-xe-3s-book/ip6-icmp-rate-lmt-xe.html

QUESTION NO: 9 - (DRAG DROP)

DRAG DROP



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

Select and Place:

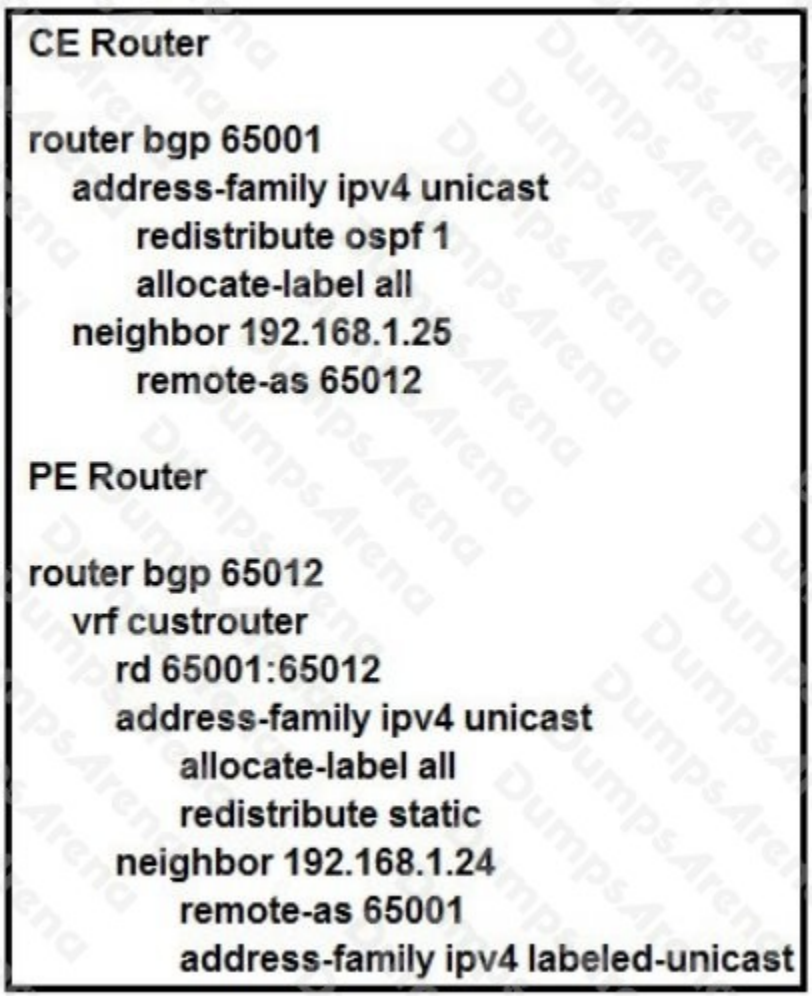
switchport mode trunk	It denies globally defined VLANs from egressing and ingressing the port.
service instance 2 ethernet	It allows the port to operate as an 802.1q trunk.
switchport trunk allowed vlan none	It classifies traffic under a defined process.
xconnect 192.168.2.2 22 encapsulation mpls	It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

ANSWER:

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

Explanation:

QUESTION NO: 10



Refer to the exhibit. The CE router has established a BGP peering with the PE router, and the CE will use the core infrastructure of the PE as a backbone carrier to support CSC. Which additional task can you perform to complete the configuration?

A. Configure static routing on the CE router.

B. Configure the address-family ipv4 labeled-unicast command under the neighbor configuration of the CE router for the PE.

C. Change the rd value to 65001:65001 under the VRF section of the PE router.

D. Configure OSPF on the PE router.

ANSWER: D