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300-515 ^Q&As

Implementing Cisco Service Provider VPN Services (SVPI)

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QUESTION 1

An engineer is troubleshooting an EoMPLS circuit on a Cisco IOS XR router interface that removes a VLAN from the distribution layer. Which configuration should the engineer apply in order to accomplish the task?

A. interface GigabitEthernet 0/10.l2transport encapsulation dot1q 10 rewrite ingress tag pop 1 symmetric l2vpn xconnect group 103588 p2p 103588 interface GigabitEthernet 0/10.10 neighbor ipv4 10.10.10.2 pw-id 103588

B. interface GigabitEthernet 0/10.10 encapsulation dot1q 10 rewrite ingress tag pop 1 symmetric l2vpn xconnect group 103588 p2p 103588 interface GigabitEthernet 0/10.10 neighbor ipv4 10.10.10.2 pw-id 103588

C. interface GigabitEthernet 0/10.10 l2transport encapsulation dot1q 10 l2vpn xconnect group 103588 p2p 103588 interface GigabitEthernet 2/10.10 neighbor ipv4 10.10.10.2 pw-id 103588

D. interface GigabitEthernet 0/10.10 l2transport encapsulation dot1q 10 rewrite ingress tag translate 1-to-1 dot1ad 10 symmetric l2vpn xconnect group 103588 p2p 103588 interface GigabitEthernet 0/10.10 neighbor ipv4 10.10.10.2 pw-id 103588

Correct Answer: C

QUESTION 2

With Layer 3 MPLS VPN implementations on Cisco IOS XR PE routers, an interface is assigned to a VRF using the vrf command in which configuration mode?

A. RP/0/RP0/CPU0:PE(config-bgp)#

B. RP/0/RP0/CPU0:PE(config-if)#

C. RP/0/RP0/CPU0:PE(config-bgp-af)#

D. RP/0/RP0/CPU0:PE(config-vrf)#

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/td/docs/ios_xr_sw/iosxr_r3-7/mpls/configuration/guide/gc37v3.html

QUESTION 3

Which two BGP attributes prevent loops in a route reflector environment? (Choose two.)

A. cluster ID

B. local preference

C. origin

D. originator ID

E. AS_PATH

Correct Answer: AD

Reference: https://www.ciscopress.com/articles/article.asp?p=2756480andseqNum=10

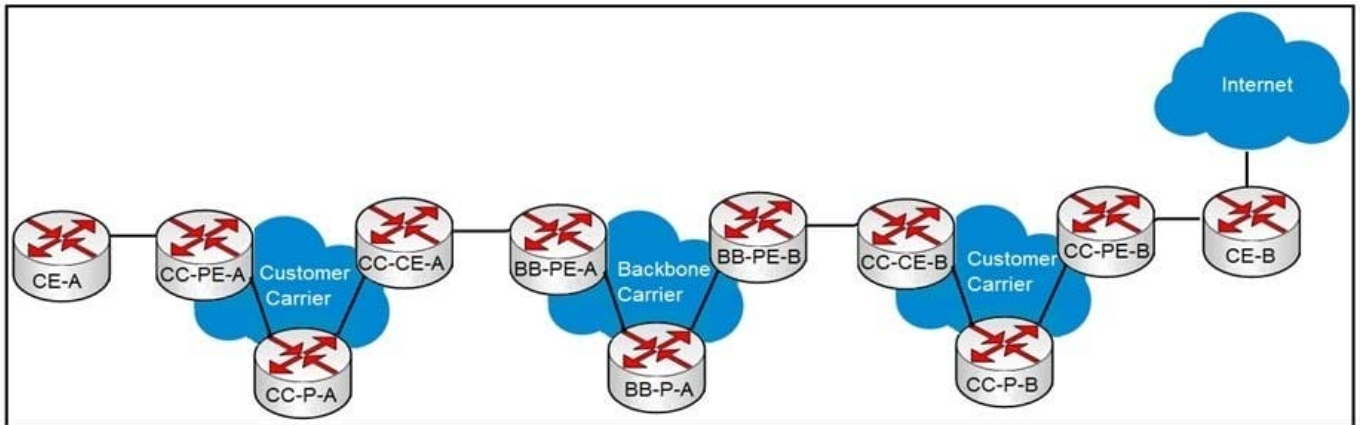---

QUESTION 4

```
mdt default mpls mldp 2.2.2.2
```

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

A. It must be configured on each PE router to enable the PE routers to receive multicast traffic for this particular MVRF.

B. It is used to set the designated router on a link using PIM-SM.

C. It must be configured on the PE and CE router to enable MP-BGP to send labels for CSC.

D. It is used to set the router that will server as the root bridge for STP.

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/td/docs/routers/asr1000/configuration/guide/chassis/asrswcfg/lsmmldp.html

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QUESTION 5

Refer to the exhibit. A customer carrier running MPLS VPN wants to utilize a backbone carrier to forward traffic and exchange VPNv4 prefixes between the two customer carrier networks depicted. Which two sets of routers must establish MPiBGP sessions? (Choose two.)

A. BB-PE-A and CC-PE-B

B. CC-PE-A and CC-PE-B

C. BB-PE-A and BB-PE-B

D. CC-PE-A and BB-PE-A

E. BB-PE-A and BB-P-A

F. CC-PE-A and CC-P-A

Correct Answer: BC

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp_ias_and_csc/configuration/12-2sx/mp-ias-and-csc-12-2sx-book/mp-carrier-bgp.html

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