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QUESTION 1

What do routers on the network use to avoid routing loops when OSPF is running as the PE-CE routing protocol on a service provider network?

A. the AS-Override feature

B. the DN bit with type 3, 5, or 7 LSA

C. the domain tag for type 2 LSA

D. sham links to create a super backbone over the service provider network

Correct Answer: B

QUESTION 2
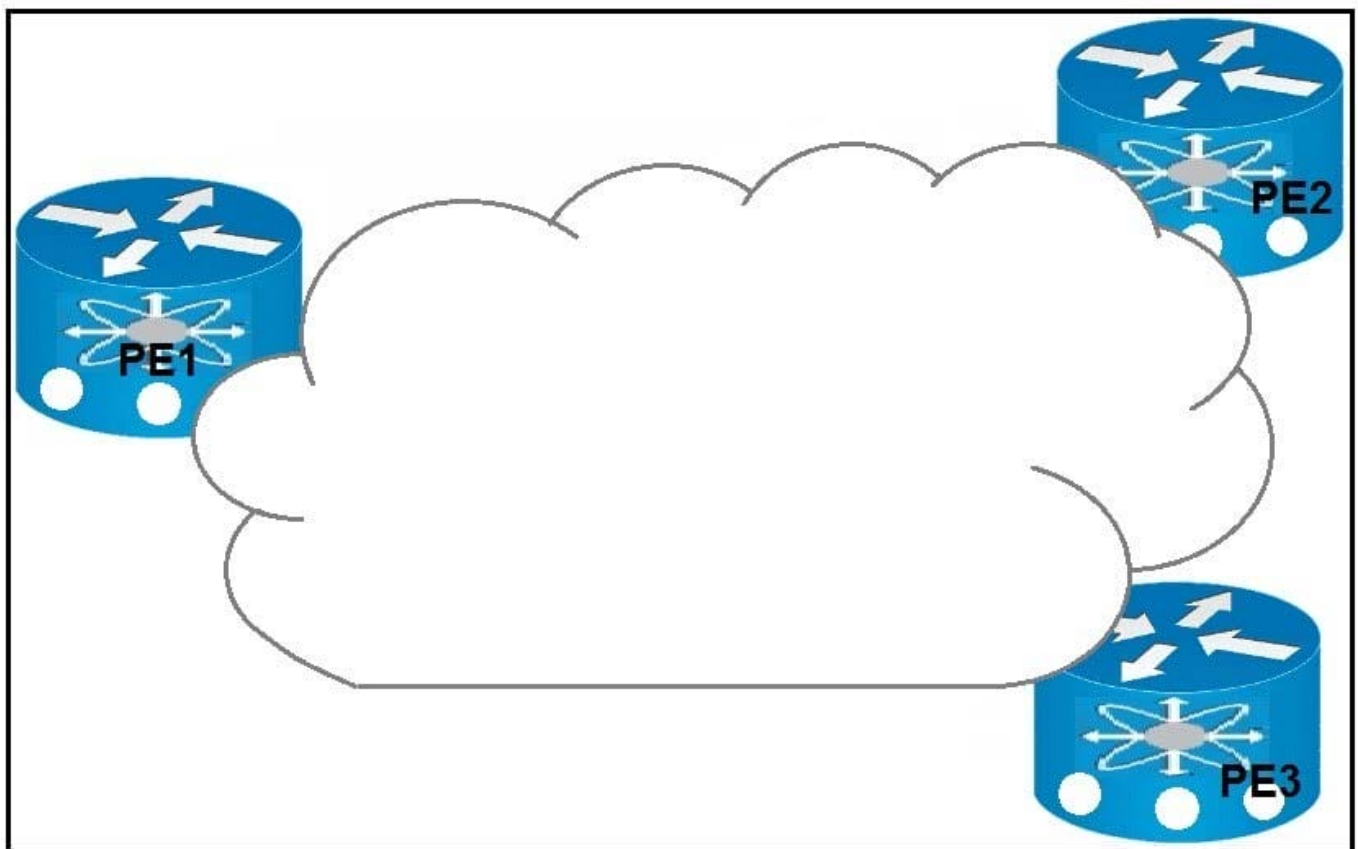
Refer to the exhibit. Which result occurs when PE1 learns a new MAC address and all three PEs are enabled with EVPN native?

A. A system notification is sent to the network administrator that triggers the manual configuration of the new MAC address on PE2 and PE3.

B. The new MAC address is sent by BGP to PE2 and PE3 as a Type 2 BGP route.

C. The MAC address is entered into the CAM table and is classified for use on the native VLAN

D. The MAC address is entered into the CAM table only if it is learned on the native VLAN.

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/td/docs/routers/asr9000/software/asr9k-r6-4/lxvpn/configuration/guide/b-l2vpn-cg-asr9000-64x/b-l2vpn-cg-asr9000-64x_chapter_01011.html

QUESTION 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

Correct Answer: D

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

QUESTION 4

Which two are characteristics of using a non-MPLS peer-to-peer model over a traditional overlay model? (Choose two.)

A. The model is suited for nonredundant configurations.

B. The configuration on a newly added site PE is updated automatically.

C. Provider routers know the customer network topology.

D. The customer specifies the exact site-to-site traffic profile.

E. Routing information is exchanged between the customer router and one or a few PEs.

Correct Answer: CE

Reference: http://etutorials.org/Networking/MPLS+VPN+Architectures/Part+2+MPLS-based+Virtual+Private+Networks/Chapter+7.+Virtual+Private+Network+VPN+Implementation+Options/Overlay+and+Peer-to-peer+VPN+Model/

QUESTION 5

`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