300-515^{Q&As}

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Implementing Cisco Service Provider VPN Services (SVPI)

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QUESTION 1

While troubleshooting an AToM L2VPN service, a network consultant notices that the AC Layer 2 encapsulations are different. Which action should the consultant take in order to make the MPLS L2VPN work?

A. tag-rewrite on the ingress and egress PE router

B. interworking IP configuration on the last PE router before label disposition

C. nonrouted interworking setup to properly translate only the Layer 2 information from the AC

D. interworking IP configuration on both the AC terminations on the PEs

Correct Answer: D

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp_l2_vpns/configuration/xe-16-11/mp-l2-vpns-xe-16-11-book/l2vpn-interworking.html

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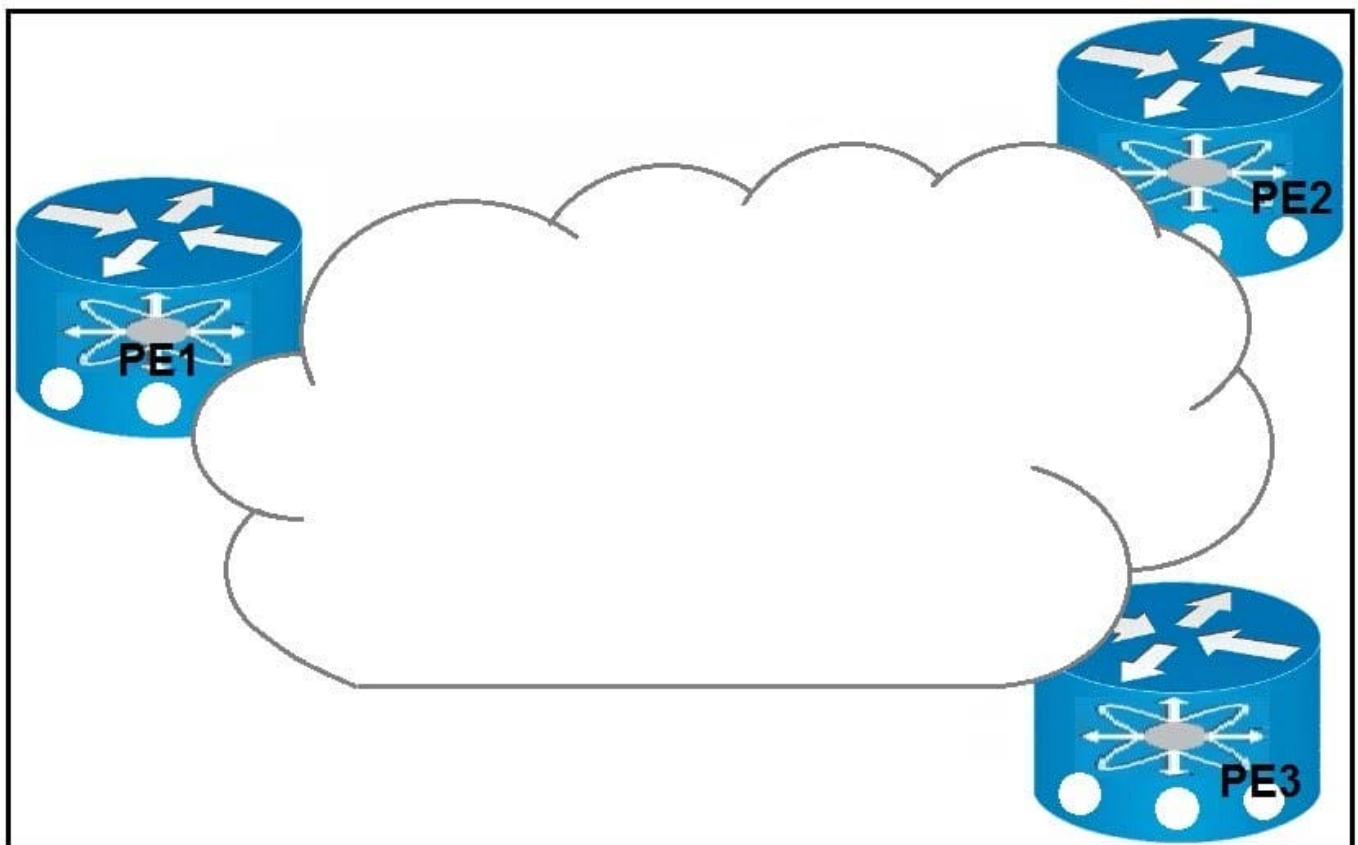
Refer to the exhibit. Which result occurs when PE1 learns a new MAC address and all three PEs are enabled with EVPN native?

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

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

Correct Answer: AE

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 4

An ISP provides a major client MPLS VPN for managed services. The MPLS engineering team needs to use the advanced VPN feature of selective VRF import so that only specific prefixes are present in the required VPNs. Which aspect of this feature must the team consider?

A. A route must pass the import route map first and then the route target import filter.

B. The routers that are imported in the VRF can be BGP and IGP routes, so other match conditions in the route map, besides communities, can be used.

C. The import-map command is applied under the PE interface that connects to the CE router.

D. A route is imported into the VRF only when at least one RT that is attached to the route matches one RT that is configured in the VRF and the route is permitted by the import route map.

Correct Answer: D

Reference: https://www.ccexpert.us/mpls/configuring-selective-vrf-import.html

QUESTION 5

Which statement describes the no bgp default route-target filter command?

A. Prefixes that are received with route targets and distinguisher are accepted.

B. Prefixes that are received with route targets and distinguisher are not accepted.

C. Prefixes that are received with route targets that are not imported at the PE are not accepted.

D. Prefixes that are received with route targets that are not imported at the PE are accepted.

Correct Answer: D