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Question 1

Question Type: MultipleChoice

A network architect is troubleshooting the L2TPv3 tunneling security due to the untrusted nature of the underlying network. Which two L2TPv3 features does the architect deploy to address the ongoing issues? (Select two.)

Options:

- A- TCP MD5 authentication
- B- control message hashing
- C- CHAP authentication
- D- control message rate limiting
- E- asymmetric mutual authentication with PSK

Answer:

B, C

Question 2

Question Type: MultipleChoice

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?

Options:

- 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.

Answer:

D

Explanation:

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

Question 3

Question Type: MultipleChoice

An engineer noticed that PE3 is failing to accept IPv6 traffic information from PE1. The engineer confirmed that both PE3 and PE1 routers are configured accurately with IPv6 protocol. To eliminate IPv6 traffic loss issue, which action must the engineer take to solve the problem?

Options:

- A- Disable 6PVE that provides local IPv6 reachability over MPLS.
- B- Configure 6PE that provides global IPv6 reachability over IPv4 MPLS.
- C- Allow PE routers use the MP-iBGP extensions in the IPv6 network configuration to exchange IPv6 reachability information.
- D- Configure 6PE forwarding between 6PE routers based on the IPv6 header.

Answer:

B

Question 4

Question Type: MultipleChoice

Which is the primary function of a MPLS L3 VPN route target?

Options:

- A- It imports and exports identified routes into selected VRFs.
- B- It uniquely identifies NLRIs that have the same numeric value.
- C- It imports the external routes it identifies into VRFs that support Internet traffic.
- D- It supports QoS by classifying traffic by file type when it applies MPLS EXP bits to each packet.

Answer:

A

Question 5

Question Type: MultipleChoice

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

Options:

- 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.

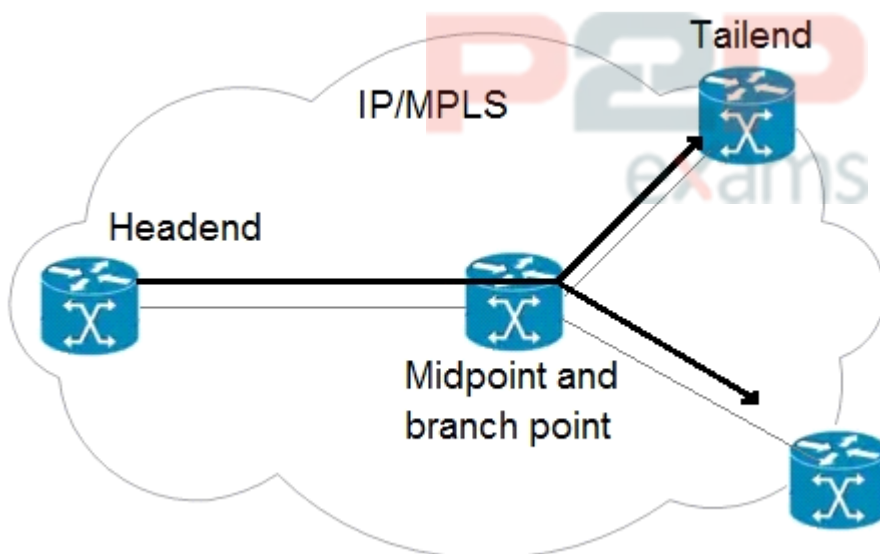
Answer:

D

Question 6

Question Type: MultipleChoice

Refer to the exhibit.



An engineer is implementing an MPLS P2MP TE solution. Which type of router can serve as the midpoint router and the tailend router in this P2MP TE network implementation?

Options:

- A- headend
- B- source
- C- transit
- D- bud

Answer:

D

Explanation:

https://www.cisco.com/c/en/us/td/docs/routers/asr920/configuration/guide/mps/mp-te-path-setup-xe-3s-asr920-book/mp-te-path-setup-xe-3s-asr920-book_chapter_01.html

Question 7

Question Type: MultipleChoice

Refer to the exhibit.



CE Router

```
router bgp 65001
  address-family ipv4 unicast
    redistribute ospf 1
    allocate-label all
  neighbor 192.168.1.25
    remote-as 65012
```

PE Router

```
router bgp 65012
  vrf custrouter
    rd 65001:65012
    address-family ipv4 unicast
      allocate-label all
      redistribute static
    neighbor 192.168.1.24
      remote-as 65001
    address-family ipv4 labeled-unicast
```

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?

Options:

- 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

Question 8

Question Type: MultipleChoice

How do Ethernet virtual circuits provide a way for service providers to maximize the use of VLAN tags'-1

Options:

- A- They add an additional tag to VLANs that allows up to two switch ports to use the same globally configured VLAN ID.
- B- They redefine the VLAN tag to include classification, forwarding, and QoS using MPLS labels and EXP bits
- C- They separate the classification and forwarding concepts for VLAN tagging which allows multiple switch ports to use the same VLAN ID without it being configured globally.
- D- They assign VLAN IDs to VTP domains so that the same VLAN ID are used more than once globally.



Answer:

C

Question 9

Question Type: MultipleChoice

An engineer is investigating an MPLS LDP issue. Which command should an engineer use on a Cisco IOS XE device to display the contents of the LFIB?

Options:

- A- show mpls forwarding-table
- B- show mpls ldp neighbors
- C- show mpls ldp labels
- D- show mpls ldp bindings



Answer:

A

Explanation:

<https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mpls/command/mp-cr-book/mp-s2.html>

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