



H31-161^{Q&As}

HCIE-Carrier IP (Written) V2.0

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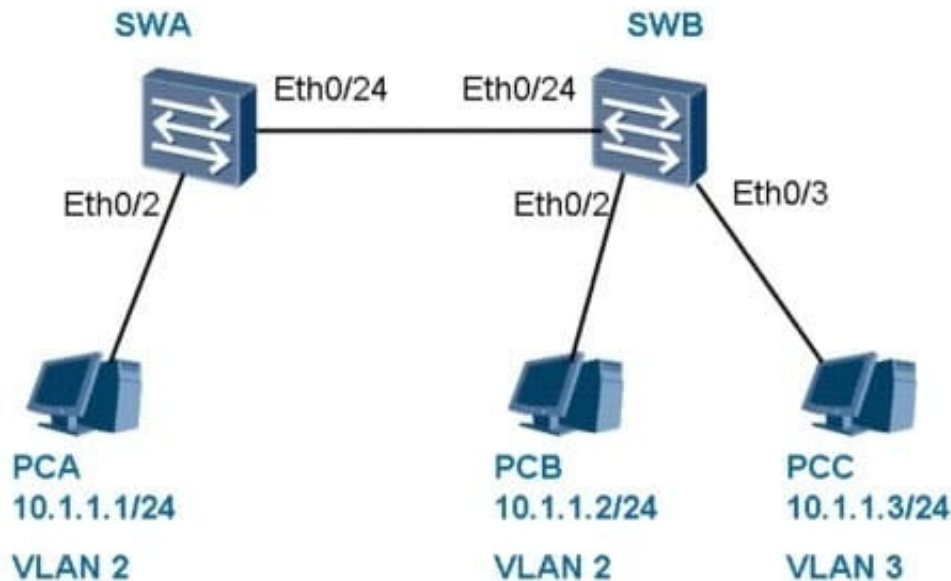
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QUESTION 1

As shown in the figure, for SWA, Eth0/2 belongs to VLAN 2, and Eth0/24 (PVID = 2) is a trunk interface and permits packets from VLAN 2 and VLAN 3 to pass through; for SWB, Eth0/2 belongs to VLAN 2, Eth0/3 belongs to VLAN 3, and Eth0/24 (PVID) is a trunk interface and permits packets from VLAN 2 and VLAN 3 to pass through. Which statement is true?



- A. PC A can ping both PC B and PC C.
- B. PC A can ping neither PC B nor PC C.
- C. PC A can ping PC B instead of PC C.
- D. PC A can ping PC C instead of PC B.

Correct Answer: D

QUESTION 2

On the OSPF network, which of the following statements about the authentication function of the OSPF protocol are true?

- A. The OSPF protocol supports area authentication and interface authentication.
- B. The interface authentication mode must be consistent with the area authentication mode . For Example, interface and area are authentication in simple or MDS mode or are not authenticated.
- C. The interface authentication mode can be different from the area authentication mode.
- D. The authentication function of the OSPF is implemented by parameter settings in hello packets.



Correct Answer: ACD

QUESTION 3

Which of the following will cause an MPLS L2VPN VC to be Down?

- A. Public LDP LSP tunnels are not Up.
- B. Interfaces connecting PEs to CEs use VLAN encapsulation, but the VLAN IDs are different.
- C. In Martini L2VPN, interfaces connecting PEs to CEs at both ends of a VC are configured with different VC IDs.
- D. In Kompella L2VPN, the two PEs allocate the same CE ID for the CEs connected to them.

Correct Answer: AD

QUESTION 4

Which of the following statements about BFD for MPLS LSP are true?

- A. An MPLS LSP may be unidirectional .If BFD packets are transmitted along an MPLS LSP in the forward direction., these packets may be forwarded over IP in the reverse direction. Then the forward and reverse paths of a packet may be different As a result, when a fault occurs on the reverse path, BFD detects and reports the fault even if the MPLS LSP is normal.
- B. In BFD for MPLS LSP, LSP Ping is used to negotiate the identifier and parameters of a BFD session.
- C. BFD for MPLS LSP detects faults only on the forwarding plane. LSP Ping, however, can not only detect faults on the forwarding plane, but also find out inconsistencies between the forwarding plane and the control plain- Therefore, they are often combined for a better fault detection solution.
- D. If MPLS LSPs work in load balancing mode, a BFP session should be triggered on each LSP in principle. Only one BFD session. however, can be initialed for load-balancing MPLS LSPs to an

intermediate node In this case, the forwarding path ol BFD packets may be different from what expected. As a result may be reported or missed.

Correct Answer: ACD

QUESTION 5

Which of the following statements about the VPLS packet forwarding are true?

- A. If a PE receives broadcast packets from a local user, the PE forwards the packets to all other interfaces In the same VSI and all other PEs.
- B. If the destination MAC address of a packet is not a broadcast address and a PE has not learned the MAC address, the broadcast this packet in one VSI
- C. If the destination MAC address of a packets is not a broadcast address and a PE has not learned the MAC address,



the PE broadcast this packet in on VSI.

D. If a receive broadcast packet sent a remote PE, it forwards the packet only to the AC interface instead of other PEs.

Correct Answer: ACD

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