



H31-161^{Q&As}

HCIE-Carrier IP (Written) V2.0

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QUESTION 1

Which of the following statements about the working principle of LDP FRR are true?

- A. After LDP FRR is enabled, a backup LSP is generated. Both the primary and backup LSPs are stored in the forwarding table.
- B. LDP FRR can be deployed on the ingress node and the intermediate node. The primary and backup LSPs are recorded in the ILM table on the intermediate node and in the FIB table on the ingress node.
- C. Multiple LSPs can be backed up on the ingress node, that is, entries about multiple backup LSPs are generated in the forwarding table according to the priority of the LDR FRR, implementing multilayer protection.
- D. After LDP FRR is enabled, a backup LSP can be generated for a primary LSP to prevent serious packet loss during fast flapping of the primary LSP

Correct Answer: AB

QUESTION 2

Interface Ethernet 3/1/0 is configured as follows: Ethernet 3/1/0 receives multicast group 232.0.0.31 IGMFV2 Report messages, If no multicast traffic sent to group 232.0.31 can be detected on Ethernet 3/1/0, which of the following causes may be true?

```
#  
interface Ethernet3/1/0  
ip address 12.1.1.5 255.255.255.0  
pim sm  
igmp enable  
igmp ssm-mapping enable  
multicast minimum-ttl 20  
multicast boundary 232.0.0.32 28  
#
```

- A. The TTL value is less than 20 in data messages sent to group 232.0.0.31.
- B. Ethernet 3/1/0 does not function as a PIM DR

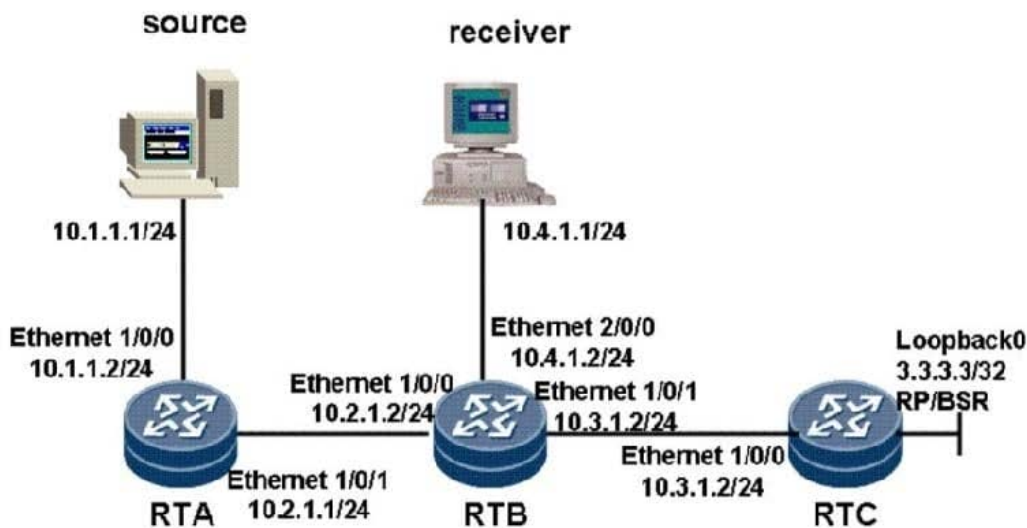


- C. The multicast border of group 232 0.0.31 is configured on Ethernet 3/1/0.
- D. SSM mapping is not configured for group 232 0 0 31.

Correct Answer: ABD

QUESTION 3

As shown in the figure, RTA, RTB, and RTC use the OSPF protocol. The default cost value is used for links, and unicast routes converge on the entire network. The Loopback 0 interface is set to configure RTC as the RP or BSR. The SPT switching threshold uses the default value on RTB. The receiver joins the multicast group 225.1.1.1. The multicast source sends multicast data to the destination address 225.1.1.1. Which interface is the inbound interface in the (10.1.1.1, 225.1.1.1) entry on RTB?



- A. Ethernet 1/0/0
- B. Ethernet 1/0/1
- C. Ethernet 2/0/0
- D. Null

Correct Answer: A

QUESTION 4

The traffic classification behavior is configured to the single rate dual-bucket CAR in color-blind mode at the upstream interface of the router. Configurations are as follows: [Quidway]display traffic policy user-defined test User Defined Traffic Policy Information: Policy: test Statistic Enable Classifier: default-class Behavior: be -noneClassifier: test Behavior: test Committed Access Rate: CIR 400 (Kbit/s), PIR 0 (Kbit/s), CBS 100000 (byte), PBS 200000 (byte) Conform Action: pass Yellow Action: pass

Exceed Action: discardIf the traffic on an interface matches the traffic policy, the traffic rate is 10,000 PPS and the packet frame length (including the CRC) is 125 bytes, which is the closest number of packets transmitted through the

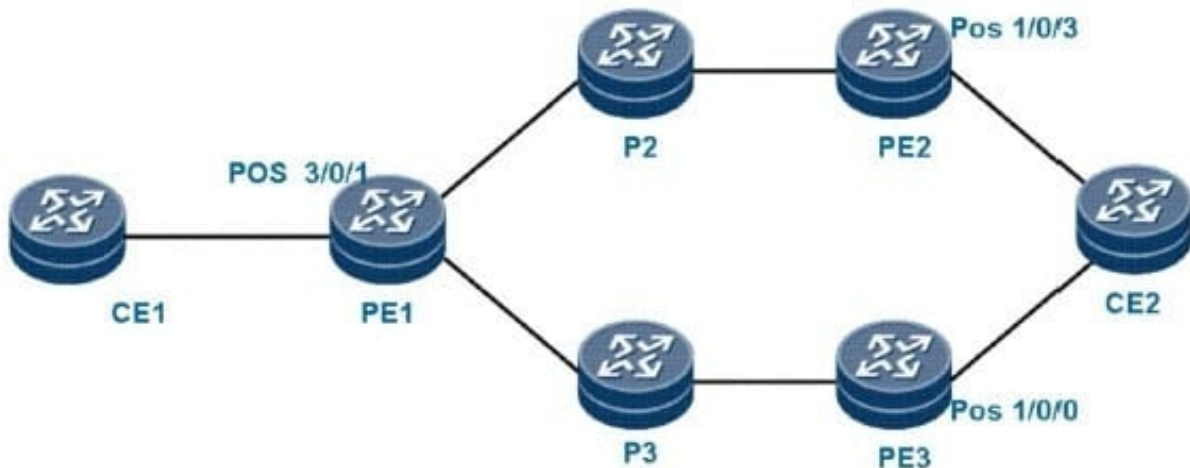


interface in the first one second?

- A. 400
- B. 2800
- C. 2000
- D. 1200

Correct Answer: B

QUESTION 5



As shown in the figure, the asymmetric VLL FRR networking is used. AC interfaces on PE 1, PE 2, and PE 3 are configured as follows: Configuration of the AC interface on PE 1: interface Pos3/0/1 link-protocol ppp undo shutdown oam detect lcp-terminal notify lcp-terminal ip address 208.1.1.1 255.255.255.0 ip address 208.2.2.1 255.255.255.0 sub mpls l2vc pw-template pw1 13579 ip-interworking mpls l2vc pw-template pw2 24680 ip-interworking secondary mpls l2vpn oam-mapping mpls l2vpn reroute immediately resume 0 Configuration of the AC interface on PE 2: interface Pos1/0/3 link-protocol ppp undo shutdown

ip address 208.1.1.2 255.255.255.0 mpls l2vc pw-template pw1 13579 ip-interworking mpls l2vpn oam-mapping Configuration of the AC interface on PE 3: interface Pos1/0/0 link-protocol hdlc undo shutdown oam detect hello-stop notify hello-stop ip address 208.2.2.2 255.255.255.0 mpls l2vc pw-template pw1 24680 ip-interworking mpls l2vpn oam-mapping Which of the following statements are true on the condition that IGP and MPLS are configured correctly on

the public network?

- A. The PW between PE 1 and PE 2 is the primary PW.
- B. If a forwarding fault is detected on the PW between PE 1 and PE 2, traffic can be switched to the backup PW on PE 1.
- C. If a forwarding fault is detected on the PW between PE 1 and PE 2, traffic from CE 1 to CE 2 can be switched to the PW between PE 1 and PE 3.



D. If a forwarding fault is detected on the public network side of the PW between PE 1 and PE 2, traffic from CE 2 to CE 1 can be switched to the PW between PE 1 and PE 3.

Correct Answer: ABC

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