

H31-161^{Q&As}

HCIE-Carrier IP (Written) V2.0

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QUESTION 1

On a city's dual-plane bearer network, PE1-A and PE1-B are two PEs in different planes of the city.

Three CEs are on the same VPN. The OSPF is used to exchange VPN route information between CE1 and PE1-A and between CE 2 and PE1-B. The default route leading to PE1-A is configured on CE3, and a static route leading to CE 3 is configured on PE1-A. The static route is imported to the OSPF, and the OSPF route is imported to the VPN instance of the BGP. The MP-IBGP neighbor relationship is established among the PEs. Subinterfaces are enabled in the links between PEs and are bound to the same VPN to exchange VPN route information between PEs.

How many routes on PE1-B can reach CE 3?

- A. Only one (The route leading to CE 3 is learned based on the IBGP neighbor relationship between PEs. The other route is filtered out by OSPF loopback detection.)
- B. Two (One route is learned based on the IBGP neighbor relationship between PEs, and the other one is the OSPF category-5 route.)
- C. No route
- D. Only the OSPF category-5 route can reach CE 3.

Correct Answer: C

QUESTION 2

Which statement about the Hub's MPLS VPN networking is false?

- A. The Hub PE can receive the VPN_IPv4 routes advertised by all Spoke PEs.
- B. When an MP-IBGP neighbor relationship is established between two spoke PEs, the value of the Import VPN Target attribute of one Spoke PE can be the same as that of the Export VPN Target attribute of the other Spoke PE.
- C. The Hub PE advertises the routes learned from one Spoke PE to other Spoke PEs. Therefore, Spoke sites can access other through the Hub site.
- D. All Spoke PEs can receive the VPN-IPv4 routes advertised by the Hub PE.

Correct Answer: B

QUESTION 3

Which functions does the bearer network NMS mainly provide?

- A. Monitoring network traffic
- B. Packet delay
- C. Monitoring device load(CPU and Memory)
- D. Switchover time of a device's active/standby system

Correct Answer: C

QUESTION 4

Exhibit.

```
#
interface Ethernet6/1/1
 ip address 40.1.1.4 255.255.255.0
 igmp prompt-leave
 igmp enable
 pim sm
#
IGMP interface group report information of VPN-Instance: public net
Ethernet6/1/1(40.1.1.4):
Total 1 IGMP Group reported
Group: 224.1.2.3
Uptime: 00:00:32
Expires: 00:04:38
Last reporter: 30 1 1 30
Last-member-query-counter: 0
Last-member-query-timer-expiry: off
Version1-host-present-timer-expiry: off
```

The preceding information shows the configurations of Ethernet 6/1/1 and ensure created based on received IGMPv2 Report messages. Which action does Ethernet 6/1/1 after receiving Leave messages for group 224.1.2.3?

- A. Deletes the record of group 224.1.2.3
- B. Sends group-specific query messages for group 224.1.2.4

Correct Answer: A

QUESTION 5

User A want to obtain a better network service for business development and signs an SLA with a corner. User A purchases a bandwidth of 5 Mbit/s to ensure the voice service (requiring short delay), vide service, key data services, and other services, If you were corner network administrator.

What would you do on the PE to ensure these services?

- A. Mark the VoIP service as EF, set the CIR to 0Mbit/s, and set the PIR to 1 Mbit/s mark the video service as AF 4 and set the CIR and PIR to 2 Mbit/s mark key data services as AF3, set the CIR to 1 Mbit/s and the PIR to 5 Mbit/s: mark other services as AF1, set the CIR to 2 Mbit/s and Set PIR to 5 Mbit/s.

B. Mark the VoIP service as EF, set the CIR to 0Mbit/s, and set the PIR to 1 Mbit/s mark the video service as AF 4 and set the CIR and PIR to 2 Mbit/s mark key data services as AF3, set the CIR to 1 Mbit/s and the PIR to 5 Mbit/s: mark other services as AF1, set the CIR to 2 Mbit/s and Set PIR to 5 Mbit/s.

C. Mark the VoIP service as EF, set the CIR to 1 0Mbit/s, and set the PIR to 1 Mbit/s mark the video service as AF 4 and set the CIR and PIR to 2 Mbit/s mark key data services as AF3, set the CIR to 2 Mbit/s and the and the PIR to 5 Mbit/s : mark other services as BE, set the CIR to 0 Mbit/s and set PIR to 5 Mbit/s.

D. Mark the VoIP service as EF, set the CIR to 2 Mbit/s: marks the video service as AF 3 and set the CIR and PIR to 2 Mbit/s: mark key data services as AF4, set the CIR to 2 Mbit/s and the PIR to 5 Mbit/s mark other service as BE, set the CIR to 0 Mbit./s and set PIR to 5 Mbit/s

Correct Answer: C

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