



H31-161^{Q&As}

HCIE-Carrier IP (Written) V2.0

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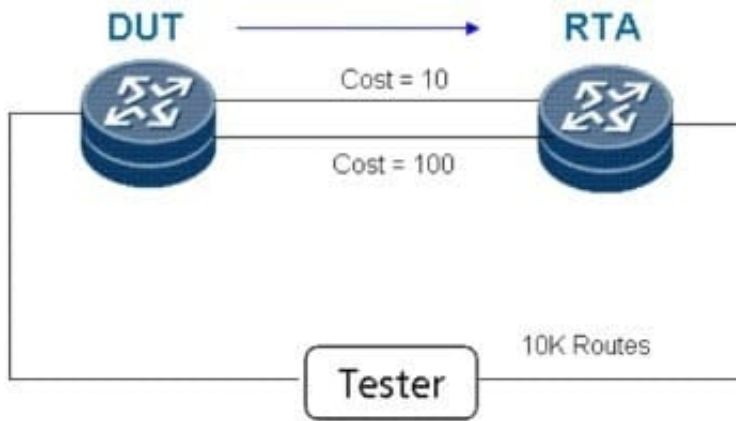
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QUESTION 1

Refer to the exhibit.



As shown in the figure, DUT stands for the device under test and RTA is used to support the test. What is the correct procedure of a fast convergence test? ()

1.
Read data from the tester, record the numbers of sent and received packets, and count the number of lost packets.
 2.
Switch the DUT-to-RTA background traffic to the link whose metric value is 100.
 3.
DUT-to-RTA background traffic is forwarded along the link whose metric value is 10.
 4.
Use the tester to advertise 10K routes to RTA and inject 10K flows to the DUT (each flow takes one route).
 5.
Remove the optical fiber (providing a link whose metric value is 10) from the tester.
 6.
Calculate the convergence time based on the number of lost packets and packet sending rate.
 7.
Stop forwarding traffic when the packet receiving rate is equal to the packet sending rate.
- A. 1, 2, 3, 4, 5, 6, 7
B. 3, 4, 5, 7, 2, 1, 6



C. 4, 3, 5, 2, 7, 1, 6

D. 3 5 4 2 1 6 7

Correct Answer: C

QUESTION 2

In the access architecture of an IP bearer network, the OSPF protocol is enabled between two access routers, two firewalls (in transparent mode), and two Layer 3 switches. Softswitches work in active/standby mode. VRRP is enabled between the softswitches to provide a gateway. In normal cases, SW1 is the master router and SW2 is the backup router. Considering the reliability of the access network, how would you plan the cost value of each link in the OSPF area?

A. $a=b=c=d$

B. $c>a+b+d$

C. $d>a+b+c$

D. $a=b>c=d$

Correct Answer: C

QUESTION 3

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 plane. Therefore, they are often combined for a better fault detection solution.

D. If MPLS LSPs work in load balancing mode, a BFD session should be triggered on each LSP in principle. Only one BFD session, however, can be initiated for load-balancing MPLS LSPs to an

intermediate node. In this case, the forwarding path of BFD packets may be different from what

expected. As a result, it may be reported or missed.

Correct Answer: ACD

QUESTION 4

Which message does the pseudo wire emulation edge-to-edge (PWE3) add for LDP signaling extension compared with



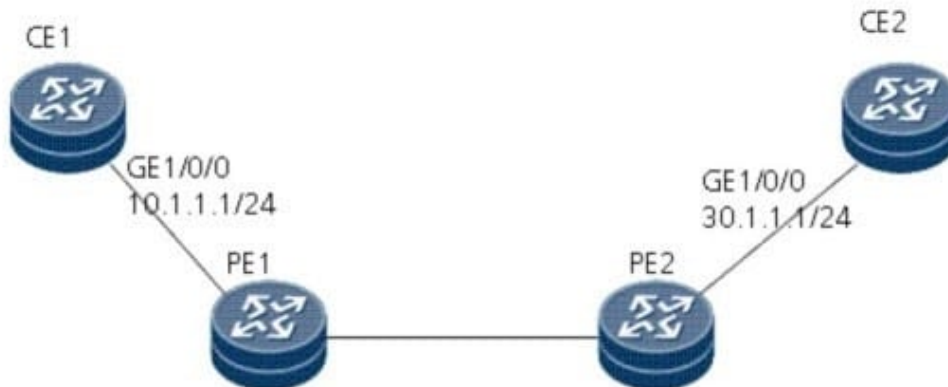
Martini VLL?

- A. Request
- B. Mapping
- C. Withdraw
- D. Release
- E. Notification

Correct Answer: E

QUESTION 5

Refer to the exhibit.



As shown in the figure, CE 1 and CE 2 belong to VPN A, both LDP and TE tunnels are configured between PE 1 and PE 2, the QPPB feature is configured on PE 2, and a tunnel policy is configured and applied to VPNs under PE 2 to make TE tunnels be preferred.

11.11.11.11/32 is a static route on CE 1 and is learned by CE 2. CE 2, however, fails to apply resource isolation VPN to PE 2. What is the possible cause?

- A. The primary TE tunnel is down.
- B. The MPLS TE LSP between PEs is established incorrectly.
- C. MPLS TE is not enabled on PE 1.
- D. Resource isolation VPN tunnels are established incorrectly

Correct Answer: D