

H31-161^{Q&As}

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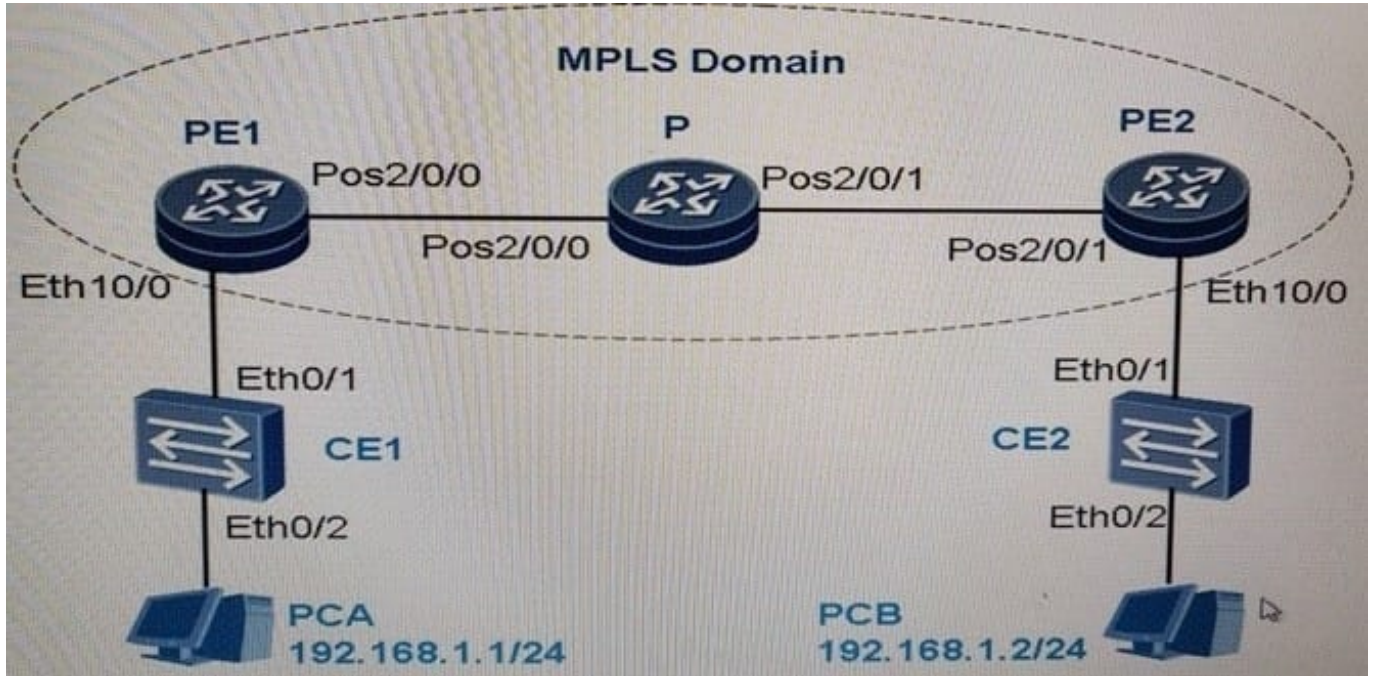
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QUESTION 1

Exhibit.



As shown in the figure, virtual private LAN service (VPLS) is enabled on routers PE 1 and PE 2. CEs are connected to PEs through QinQ and PC A and PC B are connected to the two CEs. The two PCs belong to the same VPN and can communicate with each other properly. Which of the following statements about the communication process when you ping PC B from PC A are true?

- A. PE 1 receives packets with a VLAN tag from CE 1 and adds a VLAN tag to these packets.
- B. If the penultimate hop popping (PHP) feature of MPLS is enabled on PEs, a packet received by PE 2 from a P router has two VLAN tags one MPLS label.
- C. PE 1 add two MPLS labels to a packet before sending the packet to a router.
- D. A packet received by CE 2 from PE 2 has two VLAN tags CE 2 removed the outer tag and forwards the packets to PC B based on the inner tag

Correct Answer: ABC

QUESTION 2

When the RSVP LSP FRR protection is enables, which of the following statements about the original RSVP LSP are true?

- A. The point of local repair (PLR) and the merge point (MP) can perceive the application of FRR but other nodes on the original RSVP LSP
- B. The RESV message is sent by the MP to an upstream node through a bypass LSP after modified.

- C. The PATH message is sent by the PLR to the MP through a bypass LSP after modified.
- D. The MP sends the ResvTear message to the upstream node of the original RSVP LSP.

Correct Answer: BD

QUESTION 3

In MPLS QoS, traffic policies are developed based on simple traffic classification and complex traffic classification. In traffic policies based on simple traffic classification, the service class, color, and drop priority of packets are reset based on the tags in packets. In traffic policies based on complex traffic classification, measures such as traffic policing, priority re-marking, packet filtering, policybased routing, and traffic sampling are implemented based on the traffic type. Generally, simple traffic classification is applied on border routers in DiffServ domains, and complex traffic classification core routers. QoS traffic policies are configured by performing the following operations:

1.
Defines DiffServ domains and configuring a traffic policy.
2.
Classifies traffic.
3.
Defines traffic behaviors and configures characteristics of behaviors.
4.
Defines a traffic policy and specifies actions for traffic categories.
5.
Applies the traffic policy.
6.
Configures L-LSP.
7.
Configures reverse address check.
8.
Adds interfaces to the DiffServ domains.

Which of the preceding operations are required when you configure simple traffic classification?

- A. 1 6 8
- B. 2 4 5 7
- C. 1 5 6

D. 2 3 4 8

Correct Answer: A

QUESTION 4

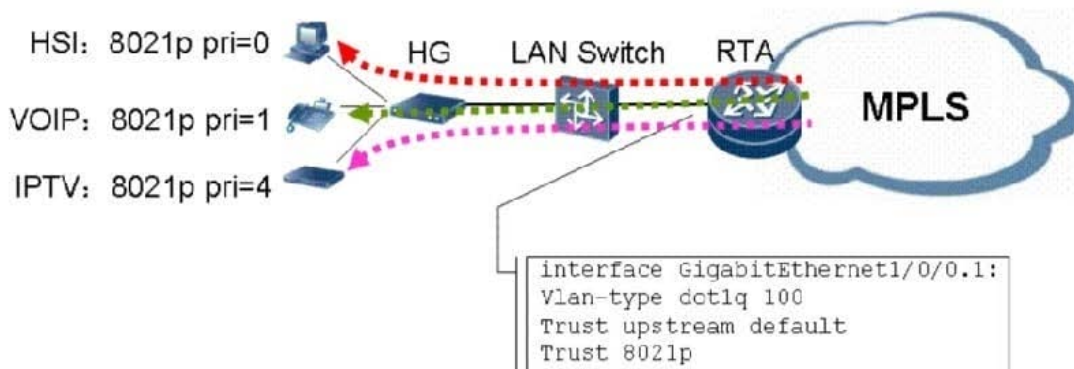
Which of the following statements about the merits of the HoVPN networking are true?

- A. If the UPE and SPE are separated by an IP/IPMPLS network, they can be connected through a generic routing encapsulation (GRE) or LSP tunnel. A hierarchical MPLS VPN provides good scalability.
- B. The SPE and UPE exchange routes and advertise labels through MP-BGP. Each UPE runs only one BGP peer, reducing system overheads and simplifying configuration.
- C. The BGP/MPLS VPN can be deployed layer by layer. When the performance of a superstratum provider edge (SPE) is insufficient, a user-end provider edge (UPE) can be added and the SPE moved to a lower layer. When the access capability of a UPE is insufficient, an SPE can be added.
- D. Packets are forwarded between a UPE and an SPE after being labeled. The UPE and SPE are connected through an interface (or a subinterface), helping reduce the usage of limited interface resources.
- E. Only local VPN routes need to be maintained on an UPE and remote routes on the SPE are represented by a default route or an aggregate route, reducing the load of the SPE.

Correct Answer: ABD

QUESTION 5

RTA is an edge router of the MPLS backbone network. It provides the access service for users under Layer 2 switches and differentiates users by subinterface. User A accesses VLAN 100 and has subscribed to the HSI, VoIP, and IPTV services. According to 802.1p priorities, the value 0 indicates the HSI service, 1 indicates the VoIP service, and 4 indicates the IPTV service. The DiffServ model is deployed in E-LSP mode on the MPLS network, and the STC is configured for subinterfaces on the access side of RTA (the qos phb disable command is not configured). Outgoing traffic on the G1/0/0.1 subinterface involves the HSI, VoIP, and IPTV services on the access side of RTA. Which statement about EXP values corresponding to these three services is true?



- A. Only one EXP value may be contained, and the value is uncertain.
- B. Only two EXP values may be contained, and the values are uncertain.

C. At least three EXP values may be contained, and the values are uncertain.

D. The EXP values must be 0, 1, and 4.

Correct Answer: C

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