



H31-161^{Q&As}

HCIE-Carrier IP (Written) V2.0

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QUESTION 1

Which of the following statements about the destination addresses of packets and the Router Alert option are true?

- A. The Path message carrying the Router Alert option is sent to the egress node.
- B. The Resv message carrying the Router Alert option is sent to the ingress node.
- C. The PathTear message without the Router Alert option is sent to the next hop.
- D. The ResvTear message without the Router Alert option is sent to the previous hop.

Correct Answer: A

QUESTION 2

RTA is a leaf router that directly connects to host A through interface GigabitEthernet 1/0/0. The interface is configured as follows: interface GigabitEthernet1/0/0 undo shutdown ip address 192.168.4.2 255.255.255.0 pim sm igmp enable igmp version 3igmp ssm-mapping enable igmp static-group 232.1.1.1 Configurations in the IGMP view are as follows: igmp ssm-mapping 232.1.1.0 255.255.255.0 10.10.1.1

ssm-mapping 232.1.2.0 255.255.255.0 10.10.1.1

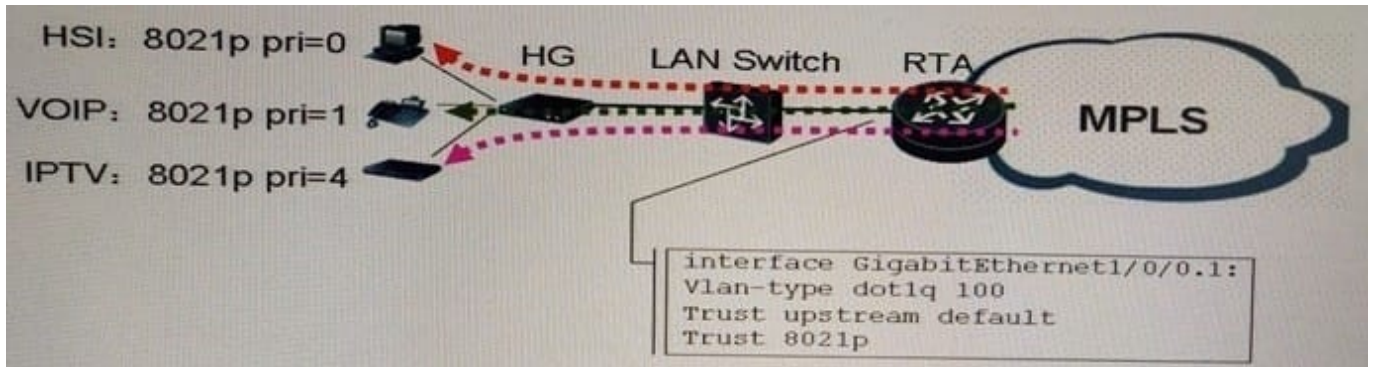
Host A sends an IGMPv2 Report message to group 232.1.2.2. Which entry can be displayed by the display igmp ssm-mapping group command?

- A. (10.10.1.1, 232.1.1.1)
- B. (10.10.1.1, 232.1.2.2)
- C. (10.10.1.1, 232.1.1.1) and (10.10.1.1, 232.1.2.2)
- D. No entry

Correct Answer: C

QUESTION 3

Exhibit.



RTA is an edge route of the MPLS backbone network. It provides the access for users under layer 2 switches and differentiates user by subinterface. User access VALN 100 and has subscribed to the His ViIP , and services. According to 802 1p priorities, the value 0 indicates the HIS service, 1 indicates the Volp service and 4 indicate the IPTV service. The DiffSerc model is deployed in E-LSP mode on the MPLS network,

And the STC is configured for subinterface on the access side of RTA (the qos phb disable command is not configured). Outgoing on the traffic on the G1/0/0.1 suninterface involves the His VoIp, and services on the access side of RTA.

Which statements about EXP about values corresponding to these three services is true?

- A. At least three EXP values be contained, and the values are uncertain.
- B. Only two EXP values be contains, and the values are certain.
- C. The EXP values must be 0, 1, and 4.
- D. Only one EXP may be contained, and the value is uncertain

Correct Answer: A

QUESTION 4

About the merits and demerits of inter-AS VPN-IPv4 Option B using MP-EBGP between ASBRs, which statement is true?

- A. The inter-AS scheme in Option B is an inherent feature of VPN.
- B. VRFs matching PEs must be configured on the ASBR.
- C. An ASBR is required to store all VPN routes, which challenges the performance of the ASBR.
- D. An ASBR does not store VPN routes but sends them out as label data.

Correct Answer: C



QUESTION 5

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

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