



H31-161^{Q&As}

HCIE-Carrier IP (Written) V2.0

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**QUESTION 1**

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 3
igmp 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 232.1.2.3. Which entry can be displayed by the `igmp ssm-mapping group` command?

- A. (10.10.1.1, 232.1.2.2)
- B. (10.10.1.1, 232.1.1.) and (10.10.1., 232.1.2.3)
- C. (10.10.1.1, 232.1.1.1)

Correct Answer: A

QUESTION 2

As shown in the figure, RTA connects to RTB and RTC. A TE tunnel is configured on RTA to reach RTC. The TE tunnel cannot be successfully established. However, CSPF-based path calculation is successful and RTA does not receive any PathError messages. What are possible causes?



- A. The reserved bandwidth is insufficient at interface RTB-2.
- B. An interface address on RTB is the same as the address of interface RTA-1.
- C. RSVP-TE is not configured at interface RTB-2.
- D. Different authentication keys are configured on interfaces RTB-2 and RTC-1.

Correct Answer: CD

QUESTION 3

Which statement is false?

- A. The ASM multicast forwarding model does not allow the receiver to specify a multicast source.
- B. The PIM SSM multicast routing protocol cannot set up shared multicast forwarding trees.
- C. The SSM multicast forwarding model considers an (S,G) entry as one channel.
- D. The IGMP SSM Mapping function is to map a (*,G) Join message reported by the host to an (S,G) Join message.

Correct Answer: D

QUESTION 4

Which of the following statements describe the reliability requirements of the voice service for the IP bearer network?

- A. Key modules of equipment must support active/standby switching or other redundancy backup functions.
- B. The IP network uses a full/half-meshed structure and provides redundant links to strengthen the self-healing capability.
- C. Link protection switching time = 50 ms
- D. Link protection switching time can be larger than 150 ms

Correct Answer: ABC

QUESTION 5

The Huawei router is the last hop DR where the SSM Mapping function is enabled at the interface.

Some IGMPv2 hosts expect to receive (1.0.0.1, 232.1.0.1), (1.0.0.1, 232.1.0.2), and (2.0.0.1, 232.1.3.2) data. How can you satisfy the preceding requirements with the least configurations?

- A. ssm-mapping 232.1.0.2 32 1.0.0.1
- B. ssm-mapping 232.1.0.1 32 1.0.0.1
- C. ssm-mapping 232.1.0.0 24 1.0.0.1



D. ssm-mapping 232.1.3.2 16 2.0.0.1

E. ssm-mapping 232.1.3.1 24 2.0.0.1

F. ssm-mapping 232.1.3.0 8 2.0.0.1

Correct Answer: CE

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