

H31-161^{Q&As}

HCIE-Carrier IP (Written) V2.0

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QUESTION 1

On a metropolitan area network, VIP customers access the network through the MPLS VPN to ensure their security. Which of the following security deployments are required for PEs?

- A. Configure the CP-CAR on the interface connected to the CE.
- B. Deploy protocol authentication if a router protocol is used between PEs and CEs.
- C. Configure the ACL to filter out data packets with common network viruses at the interface connected to the CE.
- D. Configure the ACL to filter out IP packets that use the IP address of the CE-connected interface as the destination address.

Correct Answer: BC

QUESTION 2

An Ethernet cable connects RTA to RTB through Ethernet 0/0. The OSPF neighbor relationship can be established without enabling the OSPF authentication function. Which of the following statements about the OSPF relationship between RTA and RTB are true?

```
[RTA] ospf 1
[[RTA-ospf-1] area 0.0.0.0
[RTA-ospf-1-area-0.0.0.0] network 10.1.1.0 0.0.0.3
[RTA-ospf-1-area-0.0.0.0] authentication-mode simple plain huawei
[RTA] interface Ethernet0/0
[RTA-Ethernet0/0] ip address 10.1.1.1 255.255.255.252
[RTA-Ethernet0/0] ospf authentication-mode md5 1 cipher N`C55QK<'=/Q=^Q'MAF4<1!!

[RTB] ospf 1
[[RTB-ospf-1] area 0.0.0.0
[RTB-ospf-1-area-0.0.0.0] network 10.1.1.0 0.0.0.3
[RTB-ospf-1-area-0.0.0.0] authentication-mode simple plain Nokia
[RTB] interface Ethernet0/0
[RTB-Ethernet0/0] ip address 10.1.1.2 255.255.255.252
[RTB-Ethernet0/0] ospf authentication-mode md5 1 cipher N`C55QK<'=/Q=^Q'MAF4<1!!
```

- A. Simple authentication is used between RTA and RTB

- B. The OSPF neighbor relationship cannot be established between RTA and RTB due to failure of area authentication
- C. The OSPF neighbor relationship can be established between RTA and RTB
- D. MD5 authentication is used between RTA and RTB

Correct Answer: CD

QUESTION 3

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

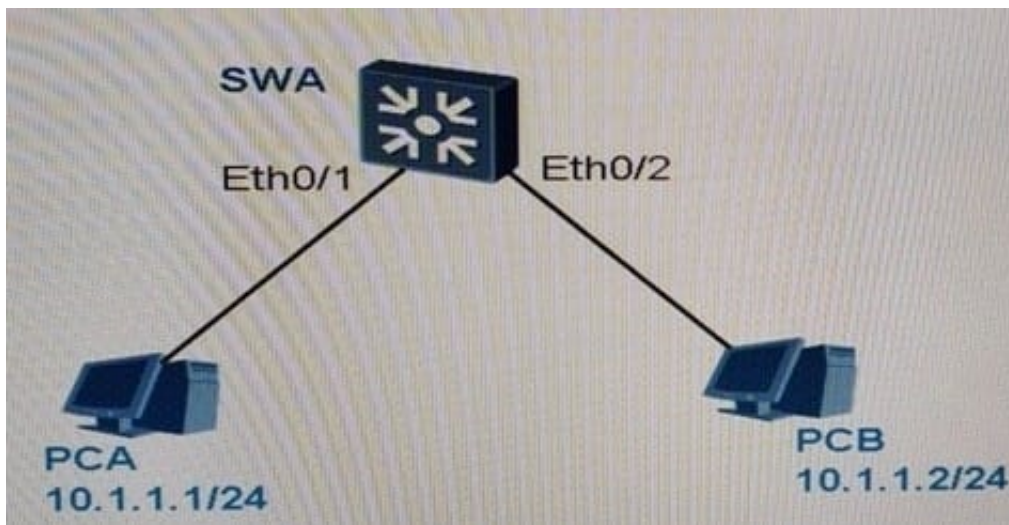
Host A sends an IGMPv2 Report message to group 232.1.2.2. Which entry can be displayed by the display igmp ssm-mapping group command?

- 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 4

Exhibit.



As shown in the figure, Super VLAN is enabled on SWA (a LAN switch). The Super VLAN configuration is as follows:

```
[SWA]vlan 10
[SWA-vlan10]port Ethernet 0/1
[SWA-vlan10]vlan 20
[SWA-vlan20]port Ethernet 0/2
[SWA-vlan30]vlan 100
[SWA-vlan100]supervlan
[SWA-vlan100]subvlan 10 20
[SWA-vlan100]q
[SWA]interface Vlan-interface 100
[SWA-Vlan-interfaCE 100]ip address 10.1.1.4 255.255.255.0
[SWA-Vlan-interfaCE 100]arp proxy enable
Suppose ARP entries on the switch and the PC are empty. Enable the debugging function of the switch to check ARP packets. Ping PCB on PCA, and part of the debugging information output by the switch is as follows:
1. SWA ARP/8/arp_rcv: Receive an ARP Packet, operation: 2, sender_eth_addr: 0014-2245-bdaf, sender_ip_addr: 10.1.1.2, target_eth_addr: 00e0-fc26-33fc, target_ip_addr: 10.1.1.4
2. SWA ARP/8/arp_send: Send an ARP Packet, operation: 1, sender_eth_addr: 00e0-fc26-33fc, sender_ip_addr: 10.1.1.4, target_eth_addr: 0000-0000-0000, target_ip_addr: 10.1.1.2
3. SWA ARP/8/arp_rcv: Receive an ARP Packet, operation: 1, sender_eth_addr: 0014-2233-261a, sender_ip_addr: 10.1.1.1, target_eth_addr: 0000-0000-0000, target_ip_addr: 10.1.1.2
4. SWA ARP/8/arp_send: Send an ARP Packet, operation: 2, sender_eth_addr: 00e0-fc26-33fc, sender_ip_addr: 10.1.1.2, target_eth_addr: 0014-2233-261a, target_ip_addr: 10.1.1.1
```

Which of the following specifics the time order in which the preceding debugging information is generated?

- A. 3--4--1--2
- B. 1--2--3--4
- C. 1--4--2--3
- D. 3--2--1--4

Correct Answer: D

QUESTION 5

Which feature can make OSPF (or IS-IS) advertise MPLS TE tunnels as links?

- A. IGP Shortcut
- B. FA
- C. FRR
- D. SRLG

Correct Answer: B

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