# H3C SE-RS SW

**1.** BFD control message is encapsulated through ____, and its destination port number for multi-hop detection is ____.

A. UDP 3785

B. UDP 3784

C. TCP 3785

D. UDP 4784

**Answer(s):** D

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**2.** In order to guide network equipment manufacturers to correctly manage equipment, ISO defines five major functions of network management. Which functions does the SNMP network management system implement? (Multiple choice)

A. Equipment Management

B. Topology Management

C. Fault Management

D. Configuration Management

E. Performance Management

**Answer(s):** B,C,D,E

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**3.** The advantages of the hierarchical network model include_____.(Multiple choice)

A. Improve network throughput

B. Reduce end-to-end latency

C. Facilitate network maintenance

D. Enhance network scalability

**Answer(s):** C,D

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**4.** In the network connection shown in the figure, SWA and SWB both have STP and Loopback-detection enabled. Please confirm that which of the following status description of each port of SWA and SWB is correct?

A. Loopback-detection detects a loop between G1/0/2 and G1/0/3 of SWB and blocks one of them.

B. STP detects a loop between G1/0/2 or G1/0/3 of SWB and blocks one of them.

C. SWA's G1/0/1 may be blocked because STP detects a loop.

**Answer(s):** B

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**5.** Which of the following elements may be included in the MAC address table of a switch? (Multiple choice)

A. Aging time

B. VLANID

C. MAC address

D. IP address

E. Port number

**Answer(s):** A,B,C,E

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**6.** As shown in the figure, SWB and SWC enable STP. SWC is the root, and SWA does not enable STP. Initially, link 2 is not connected. PCB can send data to PCA. If link 1 fails at this time, the maintenance personnel connect link 2. which of the following statement about the recovery process of the data transmission service from PCB to PCA is correct? (Multiple choice)

A. SWB's port EO/1 enters the Forwarding state, triggering a topology change process, which shortens the MAC address aging time. Therefore, the service recovery from PCB to PCA takes a total of 45 seconds by default.

B. SWA port EO/1 will not send TCN BPDU to SWC after link is interrupted

C. SWB's port EO/1 needs to wait for the default 30 seconds to enter the forwarding state, so the service recovery from PCB to PCA takes a total of 30 seconds by default.

D. Since SWA does not enable STP, service recovery needs to wait for the MAC address of SWC to age, which takes 300 seconds by default.

**Answer(s):** A,B

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**7.** Two routers are connected together through a LAN to form a VRRP backup group. The configuration on each interface is as follows:

A. RTA is the Master router of the backup group

B. RTB is the Master router of the backup group

C. RTA and RTB cannot elect a backup group master router

D. RTA and RTB are both in VRRP Master state

**Answer(s):** B

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**8.** Switch SWA uses the factory default configuration. Now configure the Ethernet 1/0/1 port of switch SWA as a Trunk port, with PVID of VLAN 20 and allowing VLAN 10.

A. [SWA] vlan10[SWA-vlan10] quit[SWA] vian 20[SWA-vlan20] quit[SWA] interface Ethernet 1/0/1[SWA-Ethernet1/0/1] port link-type trunk[SWA-Ethernet1/0/1] port trunk pvid vlan 20[SWA-Ethernet1/0/1] port trunk permit vlan 10

B. [SWA] interfaceEthernet 1/0/1[SWA-Ethernet1/0/1] port link-type trunk[SWA-Ethernet1/0/1] port trunk pvid vlan 20[SWA-Ethernet1/0/1] port trunk permit vlan 10[SWA-Ethernet1/0/1] quit[SWA] vlan 10[SWA-vlan10] quit[SWA] vlan 20

C. [SWA] vlan10[SWA-vlan10] quit[SWA] vlan 20[SWA-vlan20] quit[SWA] interface Ethernet 1/0/1[SWA-Ethernet1/0/1] port access vlan 20[SWA-Ethernet1/0/1] port link-type trunk[SWA-Ethernet1/0/1] port trunk permit vlan 10

D. [SWA] vlan10[SWA-vlan10] quit[SWA] vlan 20[SWA-vlan20] port Ethernet 1/0/1[SWA-vlan20] quit[SWA ] interface Ethernet 1/0/1[SWA-Ethernet1/0/1] port link-type trunk[SWA-Ethernet1/0/1] port trunk permit vlan 10

**Answer(s):** A,B

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**9.** The customer LAN switches SWA, SWB, and SWC form the RRPP ring main ring 1. The switch SWA has the following configuration information:

A. All ports on switches SWA, SWB, and SWC need to be added to VLAN 4092

B. The primary ring control VLAN on switches SWB and SWC can be different from that on SWA.

C. The ports on switches SWA, SWB, and SWCRRPP rings that access the RRPP ring need to be added to VLAN 4092

D. To facilitate network management, you can configure an IP management address on VLAN 4092.

**Answer(s):** C

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**10.** After executing the display interface Ethernet 1/0/2 command on the switch SWA, the output information is as follows:

A. The current switch has only VLAN1 and VLAN10.

B. Data frames with VLAN 20 tags will be discarded when they enter port Ethernet 1/0/2

C. Port Ethernet1/0/2 only allows data from VLAN 1 and VLAN 10 to pass through.

D. The data frame with VLAN1 tag will not be stripped when it leaves port Ethernet1/0/2

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**11.** In the switching network shown in the figure, VLAN10 is set as Isolate -user- vlan on switch SWA, VLAN2 and VLAN3 are set as Secondary VLAN of VLAN 10; VLAN2 and VLAN20 are created on switch SWB, and VLAN20 is set as Isolate-user-vlan, and VLAN4 is set as Secondary VLAN of VLAN20. After setting the IP addresses of each device as shown in the figure, check the MAC address table on SWA, and you can judge that PCA belongs to _ _____.

A. VLAN 10

B. VLAN 3

C. VLAN 4

D. VLAN 1

E. VLAN 20

F. VLAN 2

**Answer(s):** F

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**12.** Regarding the description of Private VLAN technology and Super VLAN technology, which of the following is correct?

A. Super VLAN is a three-layer VLAN technology, so the switches that support Super VLAN technology are all three-layer switches.

B. Private VLAN is a Layer 2 VLAN technology, so switches that support Private VLAN technology are all Layer 2 switches.

C. Super VLAN technology is also called VLAN aggregation. Its main purpose is to solve the problem of IP address waste or insufficient VLAN interface quantity.

**Answer(s):** A

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**13.** Regarding the configuration of Isolate-user-vlan and Super VLAN, which of the following descriptions is correct? (Multiple choice)

A. After establishing the mapping relationship between Isolate-user-vlan and Secondary VLAN, the system will prohibit the operation of adding/deleting ports to Secondary VLAN and deleting VLAN.

B. After establishing the mapping relationship between Super VLAN and Sub VLAN, the system will prohibit adding/deleting ports to Sub VLAN and deleting VLANs.Operation

C. After the local proxy ARP function is enabled on the Super VLAN interface, hosts in different Sub VLANs can communicate with each other.

D. Enabling the local proxy ARP function on the isolate-user-vlan interface allows hosts in different secondary VLANs to communicate with each other.

**Answer(s):** A,C

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**14.** Which of the following statements about OpenFlow is correct?

A. Among the many actions defined by OpenFlow, drop means to discard directly

B. Hello message is used for OpenFlow keepalive

C. Feature Request message is used to negotiate the OpenFlow version

D. OpenFlow channels can be encrypted using TLS

**Answer(s):** D

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**15.** To configure the Ethernet 1/0/1 port of the switch SWA as a Hybrid port, with a PVID of VLAN 20, and to send VLAN 20 data frames without tagging, and to send VLAN 10 data frames with tags, which of the following is correct? (Multiple choice)

A. None of the above is correct

B. [SWA] interfaceEthernet 1/0/1[SWA-Ethernet1/0/1] port link-type hybrid[SWA-Ethernet1/0/1] port hybrid pvid vlan 20[SWA-Ethernet1/0/1] port hybrid vlan 10 tagged[SWA-Ethernet1/0/1] port hybrid vlan 20 untagged[SWA-Ethernet1/0/1] quit[SWA] vlan 10[SWA-vlan10] quit[SWA] vlan 20

C. [SWA] interface Ethernet 1/0/1[SWA-Ethernet1/0/1] port link-type hybrid[SWA-Ethernet1/0/1] port hybrid pvid vlan 20[SWA-Ethernet1/0/1] port hybrid vlan 10 tagged[SWA-Ethernet1/0/1] port hybrid vlan 20 untagged

D. [SWA] vlan10[SWA-vlan 10] quit[SWA] vlan 20[SWA-vlan20] quit[SWA ] interface Ethernet 1/0/1[SWA-Ethernet1/0/1] port link-type hybrid[SWA-Ethernet1/0/1] port hybrid pvid vlan 20[SWA-Ethernet1/0/1] port hybrid vlan 10 tagged[SWA] vlan10[SWA-vlan10] quit[SWA] vlan 20[SWA-vlan20] quit

E. [SWA] vlan10[SWA-vlan 10] quit[SWA] vlan 20[SWA-vlan20] port Ethernet 1/0/1[SWA-vlan20] quit[SWA] interface Ethernet 1/0/1[SWA-Ethernet1/0/1] port link-type hybrid[SWA-Ethernet1/0/1] port hybridvlan 10 tagged

**Answer(s):** C,E

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**16.** The customer's LAN switch SWA is dual-uplinked to switch SWB and switch SWC, and link reliability is guaranteed by Smart Link. If the MAC address of switch SWA is 000f-e269-42d1, the MAC address of switch SWB is 000f-e269-42d2, and the MAC address of switch SWC is 000f-e269-42d3, what can we learn from the above information?

A. When the line connecting switch SWA to switch SWB fails, the destination mac of the Flush message sent by switch SWA is 000f-e269-42d3

B. When the line connecting switch SWA to switch SWB fails, the destination mac of the Flush message sent by switch SWA is 000f-e269-42d2

C. When the line connecting switch SWA to switch SWB fails, the destination mac of the Flush message sent by switch SWA is 000f-e269-42d1

D. None of the above answers are correct

**Answer(s):** D

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**17.** Which of the following addresses is not an IPv4 multicast address?

A. 239.255.255.255

B. 232.255.255.255

C. 224.0.0.13

D. 242.255.255.250

**Answer(s):** D

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**18.** Regarding configuration BPDU and TCNBPDU, which of the following is correct? (Multiple choice)

A. Alternate ports will neither send configuration BPDUs nor TCNBPDUs

B. Configuration BPDU is only sent from the designated port, and TCNBPDU is only sent from the root port.

C. Configuration BPDU is usually received only from the root end, and TCNBPDU is received only from the designated port.

D. Configuration BPDU is usually only sent periodically by the root bridge, while TCNBPDU may be sent by other bridges except the root bridge.

**Answer(s):** A,B,C,D

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**19.** As shown in the figure, SWA and SWC enable STP. SWA is the root, and SWB does not enable STP. Initially, link 2 is not connected. PCB can send data to PCA. If link 1 fails at this time, the maintenance personnel connect link 2. which of the following statement about the recovery process of the data transmission service from PCB to PCA is correct? (Multiple choice)

A. Since SWB does not enable STP, it takes 300 seconds by default for PCB to JPCA service recovery.

B. SWA will generate TCNBPDU and notify SWC. SWC will send configuration BPDU with TC set. After a period of time, the MAC address aging time of SWC and SWA will become the Forward Delay time.

C. SWB's port EO/1 can enter the forwarding state immediately without delay

D. In this case, by default, the service from PCB to PCA can be restored after 15 seconds.

**Answer(s):** B,C,D

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**20.** In the network shown in the figure, SWA and SWD enable RSTP, while SWB and SWC do not enable spanning tree protocol. Which of the following statements are correct? (Multiple choice)

A. When SWB's port EO/2 is DOWN, SWD's port EO/2 will wait for 3 Hello Times before becoming the new root port and entering the forwarding state.

B. When SWB's port E0/2 goes down, SWD's port E0/2 becomes the new root port and immediately enters the forwarding state

C. Since SWB and SWC do not enable the spanning tree protocol, when the root port of SWD goes down, the alternate port cannot immediately become the new root port and enter the forwarding state.

D. SWD will have a port with the role of Alternate

**Answer(s):** A,D