

H12-224^{Q&As}

HCIP-Routing & Switching (Fast Track) V2.0

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QUESTION 1

How many bits of the multicast MAC address are used for multicast IP address mapping?

- A. 24
- B. 22
- C. 25
- D. 23

Correct Answer: D

QUESTION 2

What is the range of VLAN IDs?

- A. 1~1000
- B. 0~4095
- C. 0~4096
- D. 1~4096

Correct Answer: B

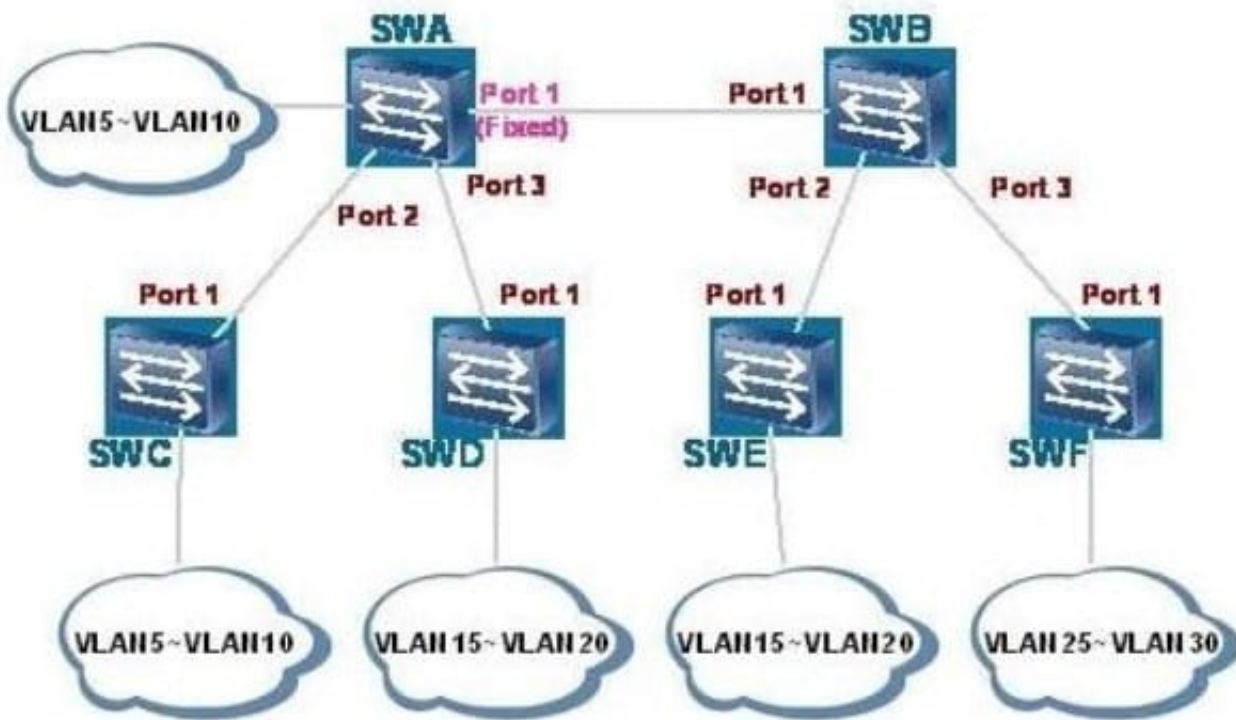
QUESTION 3

After an STP switch starts, it considers itself as the root switch. Which statements about BDPU parameter setting are true? (Choose three.)

- A. The switch is the designated root.
- B. The designated cost is 0.
- C. The switch is the designated bridge.
- D. The designated port is 0.

Correct Answer: ABC

QUESTION 4



As shown in the figure, port 1 of switch A is configured with the Fixed mode, and other ports are configured with the Normal mode. The trunk interfaces allow all VLANs. Which VLANs are registered on port 1 of switch C? (Choose three.)

- A. VLAN 1
- B. VLAN 5 to VLAN 10
- C. VLAN 15 to VLAN 20
- D. VLAN 25 to VLAN 30

Correct Answer: ABC

QUESTION 5

Which of the following multicast protocols can generate multicast distribution trees?

- A. MBGP
- B. MSDP
- C. IGMP
- D. PIM

Correct Answer: D

QUESTION 6

When configuring source NAT with no-pat configuration parameters, which of the following statements is true?

- A. Only the source IP address is translated.
- B. Only the destination IP address is translated.
- C. The source IP address and source port number are both translated.
- D. The destination IP address and destination port number are both translated.

Correct Answer: A

QUESTION 7

If the Open message sent from a BGP speaker has the GR capability field but no field, the BGP speaker has no backup forwarding table. Such a BGP speaker functions as only the GR helper to help its neighbors complete the GR process.

- A. True
- B. False

Correct Answer: A

QUESTION 8

Which of the following solutions effectively defend against ARP attacks? (Choose three.)

- A. Binding a MAC address and an IP address
- B. Enabling the ARP attack protection function on a Huawei switching device
- C. Adding network segments to different VLANs on a switch
- D. Enabling IP packet filtering

Correct Answer: ABC

QUESTION 9

Which of the following statements about VLSM characteristics are true? (Choose two.)

- A. VLSM supports both IPv4 and IPv6.
- B. VLSM supports overlapped address ranges.
- C. VLSM provides more proper route summarization information in the routing table.
- D. VLSM allows a subnet to be divided into smaller subnets.

Correct Answer: CD

QUESTION 10

In Round Robin mode, the device sends packets based on the number of defined bytes of each queue. The bandwidth ratio of each queue is the ratio of the number of defined bytes of the local queue to the total number of defined bytes of all queues.

- A. True
- B. False

Correct Answer: B

QUESTION 11

In a Land attack, the source address and destination address of an SYN packet are both the IP address of the attacked object or a loopback address.

- A. True
- B. False

Correct Answer: A

QUESTION 12

In STP, BPDU packet is carried by ().

- A. IP packet
- B. TCP packet
- C. Ethernet frame
- D. UDP packet

Correct Answer: C

QUESTION 13

The data transmission rate depends on the bandwidth.

- A. True
- B. False

Correct Answer: A

QUESTION 14

An OSPF neighbor relationship fails to be established and the display ospf error command output is as follows.

```
[RTB]display ospf error
      OSPF Process 1 with Router ID 2.2.2.2
      OSPF error statistics:
General packet errors:
0  : IP: received my own packet          0  : Bad packet
0  : Bad version                        0  : Bad checksum
7  : Bad area id                        0  : Drop on unnumbered interface
0  : Bad virtual link                   0  : Bad authentication type
0  : Bad authentication key             0  : Packet too small
0  : Packet size>ip length              0  : Transmit error
0  : Interface down                     0  : Unknown neighbor
HELLO packet errors:
0  : Netmask mismatch                   0  : Hello timer mismatch
0  : Dead timer mismatch                 0  : Extern option mismatch
9  : Router id confusion                 0  : Virtual neighbor unknown
0  : NBMA neighbor unknown
DD packet errors:
0  : Neighbor state low                  0  : Router id confusion
0  : Extern option mismatch              0  : Unknown LSA type
0  : MTU option mismatch
LS ACK packet errors:
0  : Neighbor state low                  0  : Bad ack
0  : Duplicate ack                       0  : Unknown LSA type
LS REQ packet errors:
0  : Neighbor state low                  0  : Empty request
0  : Bad request
LS UPD packet errors:
0  : Neighbor state low                  0  : Newer self-generate LSA
0  : LSA checksum bad                   0  : Received less recent LSA
0  : Unknown LSA type
Opaque errors:
0  : 9-out of flooding scope             0  : 10-out of flooding scope
0  : 11-out of flooding scope
Retransmission for packet over Limitation errors:
0  : Number for DD Packet                 0  : Number for Update Packet
0  : Number for Request Packet
Receive Grace LSA errors:
0  : Number of invalid LSAs              0  : Number of policy failed LSAs
0  : Number of wrong period LSAs
Configuration errors:
0  : Tunnel cost mistake
0  : The network type of the neighboring interface is not consistent
```

Which of the following is the probable cause?

A. Router IDs conflict.

- B. Area IDs are mismatched.
- C. Network masks are inconsistent.
- D. Authentication types are inconsistent.

Correct Answer: B

QUESTION 15

How many default zones does the USG supporting multi-instance have?

- A. Two
- B. Three
- C. Four
- D. Five

Correct Answer: D

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