

H12-224^{Q&As}

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

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QUESTION 1

What is the maximum bits of a Class C address can be used for subnet?

- B. 8
- C. 12
- D. 14

Correct Answer: A

QUESTION 2

RSTP provides faster convergence than STP. What are causes? (Choose all that apply.)

- A. RSTP defines the edge port role. The edge port does not receive and process configuration BPDUs, and not participate in RSTP calculation. The edge port can directly change from the Disable state to the Forwarding state.
- B. When the root port fails, the optimal alternate port will become the root port and enter the Forwarding state.
- C. In RSTP, when a port is elected as the designated port, it enters the Discarding state. Then the port immediately enters the Forwarding state through the Proposal/Agreement mechanism.
- D. In RSTP, when a port receives RST BPDUs from the upstream designated bridge, the port will compare the own stored RST BPDU will the received RST BPDU.
- E. When the designated port fails, the optimal alternate port will become the root port and enter the Forwarding state.

Correct Answer: ABCD

QUESTION 3

Which statement about BGP is false?

- A. BGP runs over TCP.
- B. BGP is an enhanced distance-vector routing protocol.
- C. BGP uses port number 189.
- D. BGP is an inter-AS routing protocol.

Correct Answer: C

QUESTION 4

IGMP interface group report information Ethernet6/1/1(40.1.1.1):

```
Total 1 IGMP Group reported
Group: 232.0.0.1
Uptime: 00:00:22
Expires: off
Last reporter: 40.1.1.3
Last-member-query-counter: 0
Last-member-query-timer-expiry: off
Group mode: include
Version1-host-present-timer-expiry: off
Version2-host-present-timer-expiry: off
Source list:
Source: 20.1.1.56
Uptime: 00:00:22
Expires: 00:05:08
Last-member-query-counter: 3
Last-member-query-timer-expiry: 00:00:01
Source: 20.1.1.57
Uptime: 00:00:22
Expires: 00:00:17
Last-member-query-counter: 3
Last-member-query-timer-expiry: 00:00:01
```

The preceding information shows the entry status of an IGMP interface on Ethernet 6/1/1 on a router. Assume IGMP sends the group-and-source-specific Query message. Which of the following statements is true?

- A. IGMP respectively sends two messages: The source carried in one of the messages is 20.1.1.56 with the S flag bit not set; the source carried in the other message is 20.1.1.57, with the S flag bit set to 1.
- B. IGMP respectively sends two messages: The source carried in one of the messages is 20.1.1.56 with the S flag bit set to 1; the source carried in the other message is 20.1.1.57, with the S flag bit not set.
- C. IGMP sends one message carrying two sources 20.1.1.56 and 20.1.1.57, with the S flag bit set to 1.
- D. IGMP sends one message carrying two sources 20.1.1.56 and 20.1.1.57, with the S flag bit not set.

Correct Answer: B

QUESTION 5

DHCP uses different types of packets to implement different functions. Which of the following is the function of the DHCP Offer packet?

- A. The DHCP Offer packets are broadcast by the DHCP client to detect available servers.

- B. The DHCP server sends DHCP Offer packets to respond to the DHCP Discover packets sent by the DHCP client, providing requested configuration parameters.
- C. The DHCP client sends a DHCP Offer packet to the DHCP server to request configuration parameters, configuration acknowledgement, or extension of the IP address lease.
- D. The DHCP server sends a DHCP Offer packet to the client, carrying configuration parameters, such as the IP address.

Correct Answer: B

QUESTION 6

Security policies for the firewall are applied to interzones but not to interfaces.

- A. True
- B. False

Correct Answer: A

QUESTION 7

When the Hold Time parameter negotiated between two BGP peers is 0, no Keepalive messages will be sent.

- A. TRUE
- B. FALSE

Correct Answer: A

QUESTION 8

If a router receives two BGP routes (M and N) that contain the following attributes,

Network	NextHop	MED	LccPrf	PrefVal	Path/Ogn
M 192.168.1.0	10.1.1.1	30	0	100	i
N 192.168.1.0	10.1.1.2	20	0	100	200i

Which route is the optimal route based on BGP route selection rules?

- A. The optimal route is route M because its AS_Path is shorter than that of route N.
- B. The optimal route is route N because its MED value is smaller than that of route M.
- C. The optimal route is determined randomly.

Correct Answer: A

QUESTION 9

What is private AS number?

- A. 65410-65535
- B. 1-64511
- C. 64512-65535
- D. 64511-65535

Correct Answer: C

QUESTION 10

What is the default sending interval of BFD packets?

- A. 5s
- B. 100ms
- C. 1000ms
- D. 10s

Correct Answer: C

QUESTION 11

What are the functions of DHCP snooping? (Choose three.)

- A. Defend against DoS attacks initiated by changing the CHADDR field
- B. Defend against bogus DHCP server attacks
- C. Defend against Packet Sniffer Mitigation
- D. Defend against man-in-the-middle attacks and IP/MAC spoofing attacks

Correct Answer: ABD

QUESTION 12

Based on fields IP precedence, MPLS EXP, or 802.1p, packets can be classified into how many service types?

- A. 4
- B. 6

C. 7

D. 8

Correct Answer: D

QUESTION 13

Which of the following IP addresses are network addresses? (Choose two.)

A. 64.104.3.7/28

B. 192.168.12.64/26

C. 192.135.12.191/26

D. 198.18.12.16/28

Correct Answer: BD

QUESTION 14

MPLS is a switching standard defined by the IETF. Which device adds or deletes labels?

A. Label distribution router

B. LER

C. LSR

D. Label transmit router

Correct Answer: B

QUESTION 15

Which of the following PHB types are defined in IETF DiffServ? (Choose three.)

A. Default PH

B. Class-Selector PHB

C. Fast Forwarding PHB

D. Assured Forwarding PHB

Correct Answer: ABD
