



H12-221^{Q&As}

HCIP-Routing & Switching-IERS V2.5

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**QUESTION 1**

ACLs can match routing information or data packet addresses to filter unmatched routing information or data packets.

- A. TRUE
- B. FALSE

Correct Answer: A

QUESTION 2

A router receives a packet whose destination address is 195.26.17.4. Which of these subnets does this address belong to?

- A. 195.26.0.0/21
- B. 195.26.16.0/20
- C. 195.26.8.0/22
- D. 195.26.20.0/22

Correct Answer: B

QUESTION 3

Which of the following is the address range assigned by IANA for SSM service in IPv4?

- A. 232.0.0.0/24
- B. 225.0.0.0/8
- C. 232.0.0.0/8
- D. 239.0.0.0/8

Correct Answer: D

QUESTION 4

Over a working TCP connection, what is the state of the BGP peer relationship if the peer AS number configured for a BGP router is inconsistent with the AS number of its BGP peer?

- A. Idle
- B. Active
- C. OpenSent



D. Established

Correct Answer: B

QUESTION 5

An ACL is a series of orderly rules composed of permit deny clauses. Which of the following attributes cannot be used for defining an ACL rule?

- A. Source address
- B. Destination address
- C. Port number
- D. AS-Path

Correct Answer: D

QUESTION 6

Which of these statements is false when using the import-route command to import routes into BGP?

- A. The import-route command can import IGP routes, direct routes, and static routes into BGP.
- B. A process ID must be specified if OSPF routes or RIP routes are imported into BGP.
- C. By default, the origin attribute of imported routes is IGP.
- D. Routing policies filters the routes imported from other routing protocols.

Correct Answer: C

QUESTION 7

Which of the following conditions must be met for importing routes into BGP using the network command? (Select 2 answers)

- A. The routes must be optimal in the IP routing table.
- B. The routes do not need to match the specified mask length.
- C. The routes must match the specified mask length.
- D. The routes must be IGP routes.

Correct Answer: AC

QUESTION 8



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 sequentially sends two messages; The source carried in one of the messages is 20.1.1.56 with no S flag bit set; the source carried in the other message is 20.1.1.57, with the S flag bit set to 1.
- B. IGMP sequentially 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 no S flag bit set.
- C. IGMP sends only 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 only one message carrying two sources 20.1.1.56 and 20.1.1.57, with no S flag bit set.

Correct Answer: B

QUESTION 9

Enabling MD5 authentication between BGP peers can prevent DoS attacks that target BGP peers.

- A. TRUE
- B. FALSE

Correct Answer: A

QUESTION 10

What is the maximum number of bits that can be used for creating subnets, when the network address is a Class B address?

- A. 8
- B. 14
- C. 16
- D. 22

Correct Answer: B

QUESTION 11



The bandwidth-reference parameter is measured in Mbit/s.

A. TRUE B. FALSE

Correct Answer: A

QUESTION 12

Which of the following statements regarding the MED attribute are true? (Select 3 answers)

A. Based on BGP route selection rules, the MED has precedence over the AS_Path, Preferred- Value, Local-Preference, and Origin attributes.

B. The MED of a BGP route is 100 by default.

C. Generally, BGP compares only the MEDs of routes received from the same AS but if the "comparedifferent-as-med" command is configured, BGP can compare the MEDs of the routes received from multiple ASs.

D. the default MED value 0 on a BGP indicates that the route is not specified. If the bestroute med-noneas-maximum command is configured, the maximum MED value that can be set is 4294967295.

Correct Answer: ACD

QUESTION 13

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

A. MBGP

B. MSDP

C. IGMP

D. PIM

Correct Answer: D

QUESTION 14

Which of the following statements is false?

A. Each OSPF router uses only one Router-LSA to describe the status of local links in an area.

B. Link types described by a Router-LSA include P2P, P2MP, TransNet, and StubNet.

C. A Network-Summary-LSA describes the metric routing of an ABR to a destination network segment.

D. Routing information can be exchanged between a backbone area and a non-backbone area but never between two non-backbone areas.

Correct Answer: B



QUESTION 15

Which of the following IP addresses can be used on a public network? (Select 2 answers)

- A. 172.30.0.1/16
- B. 127.254.11.15/16
- C. 172.15.12.7/16
- D. 193.168.10.4/16

Correct Answer: CD

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