



# Huawei

## H12-221 Exam

**HCNP-R&S-IERN (Huawei Certified Network Professional-  
Implementing Enterprise Routing Network)**

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**Question: 1**

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

- A. TRUE
- B. FALSE

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**Answer: A**

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**Question: 2**

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Which of the following statements are correct regarding OSPF intra-area route calculation? (Select 2 answers)

- A. Each OSPF router uses only one Router LSA to describe the local active link state for an area.
- B. Each OSPF router uses more than one Router LSA to describe local active link state for an area.
- C. One Router LSA describes only one link,
- D. One Router LSA describes more than one link.

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**Answer: A,D**

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**Question: 3**

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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

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**Answer: D**

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**Question: 4**

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Which of the following are multicast routing protocols? (Select 3 answers)

- A. DVMRP
- B. PIM-DM
- C. OSPF
- D. PIM-SM

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**Answer: A,B,D**

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**Question: 5**

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Which of the following route entries match the IP-Prefix defined below? ip ip-prefix test index 10 permit 192.168.0.0 16 greater-equal 24 less-equal 28 (Select 2 answers)

- A. 192.168.1.0/24
- B. 192.10.2.0/24
- C. 192.168.3.0/25
- D. 192.168.4.0/30

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**Answer: A,C**

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**Question: 6**

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Which of the following is the multicast distribution tree maintained by PIM-DM?

- A. SFT
- B. CBT
- C. RFT
- D. STP

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**Answer: A**

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**Question: 7**

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Which of the following attributes must exist in the BGP update messages? (Select 3 answers)

- A. LOCAL\_PREF
- B. NEXT\_HOP
- C. ORIGIN
- D. AS\_PATH

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**Answer: B,C,D**

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**Question: 8**

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In OSPF protocol, Different types of networks cannot establish an adjacency with each other in the Full state.

- A. TRUE
- B. FALSE

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**Answer: B**

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**Question: 9**

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What does an IP address of 0.0.0.0 indicate?

- A. Network address
- B. Broadcast address of specially designated network segment
- C. All networks
- D. Broadcast address of all nodes of local network segment

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**Answer: C**

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**Question: 10**

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The unicast and multicast technologies are both outstanding in solving the problem of "single source, multiple destinations" in order to allow efficient P2MP data transmission.

- A. TRUE
- B. FALSE

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**Answer: B**

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**Question: 11**

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Which of the following connection types can a Router LSA describe? (Select 3 answers)

- A. Point-to-point
- B. Star
- C. Transit
- D. Virtual link

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**Answer: A,C,D**

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**Question: 12**

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BGP peers are automatically discovered by exchanging multicast packets.

- A. TRUE
- B. FALSE

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**Answer: B**

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**Question: 13**

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Which of the following describes the relationship between BGP and AS?

- A. BGP only runs between ASs, and cannot run within an AS.
- B. BGP is an EGP used by ASs to exchange routing information with other ASs.
- C. BGP builds network topologies by exchanging link-state information between ASs.
- D. BGP cannot run between ASs.

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**Answer: B**

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**Question: 14**

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If the subnet mask for Class A address is 255.255.240.0, how many bits are used for subnetting?

- A. 4
- B. 5
- C. 9
- D. 12

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**Answer: D**

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**Question: 15**

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When running in non-broadcast networks, OSPF uses one of the two modes: NBMA or P2MP.

- A. TRUE
- B. FALSE

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**Answer: A**

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**Question: 16**

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Which of the following is a private AS number?

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

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**Answer: C**

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**Question: 17**

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Which statements regarding BGP well-known mandatory attributes are true? (Select 3 answers)

- A. Well-known mandatory attributes must be recognized by all BGP routers.
- B. Well-known mandatory attributes impacts the path decision process.
- C. Well-known mandatory attributes are optional in an Update packet, and can be included in an Update packet as needed.
- D. Well-known mandatory attributes must be included in all Update packets.

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**Answer: A,B,D**

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**Question: 18**

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The router ID which is configured in the system view takes precedence over the router ID configured in the BGP view.

- A. TRUE
- B. FALSE

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**Answer: B**

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