

Huawei H12-221 Exam

Volume: 225 Questions

Question No: 1

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

- A. TRUE
- B. FALSE

Answer: A

Question No: 2

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.

Answer: A,D

Question No: 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

Answer: D

Question No: 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

Answer: A,B,D

Question No: 5

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

Answer: A,C

Question No: 6

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

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

Answer: A

Question No: 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

Answer: B,C,D

Question No: 8

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

- A. TRUE
- B. FALSE

Answer: B

Question No: 9

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

Answer: C

Question No: 10

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

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B. FALSE

Answer: B

Question No: 11

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

Answer: A,C,D

Question No: 12

BGP peers are automatically discovered by exchanging multicast packets.

A. TRUE

B. FALSE

Answer: B

Question No: 13

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.

Answer: B

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Question No: 14

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

Answer: D

Question No: 15

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

- A. TRUE
- B. FALSE

Answer: A

Question No: 16

Which of the following is a private AS number?

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

Answer: C

Question No: 17

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.