

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

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

A. TRUE

B. FALSE

Answer(s): A

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(s): A D

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(s): D

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

A. DVMRP

B. PIM-DM

C. OSPF

D. PIM-SM

Answer(s): A B D

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(s): A C

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

A. SFT

B. CBT

C. RFT

D. STP

Answer(s): A

7. 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(s): B C D

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

A. TRUE

B. FALSE

Answer(s): B

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(s): C

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

B. FALSE

Answer(s): B

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(s): A C D

12. BGP peers are automatically discovered by exchanging multicast packets.

A. TRUE

B. FALSE

Answer(s): B

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(s): B

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(s): D

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

A. TRUE

B. FALSE

Answer(s): A

16. Which of the following is a private AS number?

A. 65410-65535

B. 1-64511

C. 64512-65535

D. 64511-65535

Answer(s): C

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.

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.

Answer(s): A B D

18. 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

Answer(s): B

19. Which of the following IP addresses are network addresses? (Select 2 answers)

A. 64.104.3.7/28

B. 192.168.12.64/26

C. 192.135.12.191/26

D. 198.18.12.16/28

Answer(s): B D

20. OSPF uses SPF algorithm to compute the SPF tree based on the topology. What is the node of the 5PF tree?

A. Router

B. Router and network segment

C. Port and network segment

D. Router and port

Answer(s): B
