

Huawei Certified Network Specialist

1. What is the correct statement about IP routing?

A. Routing is the concept of the second layer in the OSI model.

B. Any route must include the following three parts: source address, destination address, and next hop.

C. In the LAN, routing includes the following two parts: IP address and MAC address.

D. IP routing is the path information that guides IP packet forwarding.

Answer(s): D

2. Which is the next generation development prospect of the access network?

A. Expand the application of PSTN

B. Increase the type of service transmitted on ADSL

C. Light into the copper

D. Increase the ADSL transmission distance and increase the coverage radius

Answer(s): C

3. Which of the following does not belong to the communication network category?

A. Telephone network

B. Internet network

C. Radio and television network

D. State Grid

Answer(s): D

4. Among the access technologies of the access network, which of the following access modes can provide the largest access bandwidth?

A. ADSL

B. ADSL 2+

C. VDSL

D. GPON

Answer(s): D

5. Is the following description correct? ICMP is a link layer protocol. ICMP messages are triggered by the physical layer and then responded by the IP layer or higher layer protocols.

A. True

B. False

Answer(s): B

6. Is the following description correct? A route with a mask of 0.0.0.0 cannot exist on a route in the routing table.

A. True

B. False

Answer(s): B

7. Is the following description correct? In the routing table entry, only the next hop and the outbound interface (Nextthop/Interface) can be used for the same destination address and mask (Destination/Mask).

A. True

B. False

Answer(s): B

8. Is the following description correct? The MAC address consists of 48 bits, usually expressed in 12-digit hexadecimal. The first 6 hexadecimal digits are uniformly distributed by the IEEE to determine the uniqueness of the vendor. The last 6 hexadecimal digits are managed by each vendor.

A. True

B. False

Answer(s): A

9. Is the following description correct? TTL is mainly used to prevent the cyclic forwarding of IP packets in the network and waste network bandwidth.

A. True

B. False

Answer(s): A

10. Is the following description correct? The link layer defines electrical and mechanical processes and functions to enable activation, maintenance, and removal of lines when systems are connected at both ends.

A. True

B. False

Answer(s): B

11. Which layer of the OSI model does the router mainly work on?

A. Physical layer

B. Link layer

C. Network layer

D. Transport layer

Answer(s): C

12. A part of the field in the IP packet is used to describe the lifetime of the packet, that is, the TTL value. What is the maximum value?

A. 255

B. 256

C. 1023

D. 1024

Answer(s): A

13. Is the following description correct? The transmission form of the LAN is generally based on the bus type. The most commonly used corresponding protocol is the carrier sense and collision detection CSMA/CD protocol.

A. True

B. False

Answer(s): A

14. Is the following description correct? Ethernet technology is a widely used technology. It is divided into 10M, 100M, and 1000M according to different transmission rates. The common transmission medium for 10M and 100M Ethernet is twisted pair, but 1000M Ethernet is too fast. The transmission medium must be optical fiber.

A. True

B. False

Answer(s): B

15. Is the following description correct? The method of determining whether the received broadcast frame is received by the computer in the local area network is to determine whether the source MAC address of the frame is the same as the hardware address of the local machine.

A. True

B. False

Answer(s): B

16. Is the following description correct? The MAC address is generally purchased by various manufacturers from the IEEE, but it can also be specified by itself.

A. True

B. False

Answer(s): B

17. Is the following description correct? The MAC address of the computer network card is assigned by the IETF to each manufacturer and is unique worldwide.

A. True

B. False

Answer(s): B

18. Is the following description correct? Fast Ethernet speed standards are 100Base-TX, 100Base-T4, and 100Base-FX.

A. True

B. False

Answer(s): A

19. In Ethernet, what address is used to distinguish different devices?

A. LLC address

B. MAC address

C. IP address

D. IPX address

Answer(s): B

20. Which layer of the OSI reference model does the Ethernet switch work on?

A. Physical layer

B. Data link layer

C. Network layer

D. Transport layer

Answer(s): B
