

IT 210 CHAPTER 19

1 IP is a _____ protocol.

- A) connection-oriented unreliable
- B) connection-oriented reliable
- C) connectionless unreliable
- D) connectionless reliable

2 An HLEN value of decimal 10 means _____.

- A) there are 10 bytes of options
- B) there are 10 bytes in the header
- C) there are 40 bytes of options
- D) there are 40 bytes in the header

3 If the fragment offset has a value of 100, it means that _____.

- A) the datagram has not been fragmented
- B) the datagram is 100 bytes in size
- C) the first byte of the datagram is byte 800
- D) None of the choices are correct

4 What is needed to determine the number of the last byte of a fragment?

- A) offset number
- B) total length
- C) both offset number and the total length
- D) None of the choices are correct

5 The IP header size is _____ bytes long.

- A) 20 to 60
- B) 20
- C) 60
- D) None of the choices are correct

6 Packets in the IP layer are called _____.

- A) segments
- B) datagrams
- C) frames
- D) None of the choices are correct

7 The total length field defines the total length of the datagram _____.

- A) including the header
- B) excluding the header
- C) excluding the option length
- D) None of the choices are correct

8 When a datagram is encapsulated in a frame, the total size of the datagram must be less than the _____.

- A) MUT
- B) MAT
- C) MTU
- D) None of the choices are correct

9 ICMP is a (an) _____ layer protocol.

- A) application-layer protocol that helps TCP/IP at the network layer
- B) transport-layer protocol that helps TCP/IP at the network layer
- C) network-layer protocol
- D) data-link layer protocol that helps TCP/IP at the network layer

10 Which of the following is true about ICMP messages?

- A) An ICMP error message may be generated for an ICMP error message
- B) An ICMP error message may be generated for a fragmented datagram
- C) An ICMP error message may be generated for a multicast datagram
- D) None of the choices are correct

11 When a host moves to a new network, its original address is referred to as _____.

- A) home
- B) care-of
- C) foreign
- D) None of the choices are correct

12 Which of the following addresses are permanent in mobile IP?

- A) home
- B) care-of
- C) foreign
- D) None of the choices are correct

13 To communicate with a remote host, a computer needs to go through _____ phase(s).

- A) one
- B) two
- C) three
- D) None of the choices are correct

14 In mobile IP communication, the first phase is called _____.

- A) agent discovery
- B) registration
- C) data transfer
- D) None of the choices are correct

15 In mobile IP communication, the second phase is called _____.

- A) agent discovery
- B) registration
- C) data transfer
- D) None of the choices are correct

16 In mobile IP communication, the third phase is called _____.

A) agent discovery

B) registration

C) data transfer

D) None of the choices are correct

17 In mobile IP communication, inefficiency in triangle routing is _____ the one in double crossing.

A) more severe than

B) less severe than

C) in the same level as

D) None of the choices are correct