

Practice Quiz: The Network Layer

Question 1:

Please select all of the valid IP addresses. Check all that apply.

257.70.312.49

123.456.123.456

192.168.1.1

8.8.8.8

192.168.1.1 is a valid IP address.

8.8.8.8 is a valid IP address.

Question 2:

Which IP address class has the first two octets reserved for the network ID and the last two octets for the host ID?

Class B

Class E

Class A

Class C addresses

IP Class B addresses are those where the first two octets are used for the network ID and the second two are used for the host ID.

Question 3:

Which IP address class has the first two octets reserved for the network ID and the last two octets for the host ID?

Class B

Class E

Class A

Class C addresses

IP Class B addresses are those where the first two octets are used for the network ID and the second two are used for the host ID.

Question 4:

The ____ is used to indicate that the datagram is allowed to be fragmented or to indicate that the datagram has already been fragmented.

service type field

flag field

fragmentation offset field

total length field

The flag field is used to indicate if a datagram is allowed to be fragmented or to indicate that the datagram has already been fragmented.

Question 5:

The IP address assigned to a device would depend on the _____ it is connected.

MAC addresses

IP datagram

network

ARP

IP addresses belong to the networks and would be assigned by the LAN on which the device is connected.

