

## Quiz 3 Answers

1) A IP address in in class A. This means it belongs to a large organization and has the most amount of possible hosts.

2) In IPv4, class D is being with 1110 and is denoted as multicast addresses.

3) One problem with class-based routing is that: Running out of class B addresses and not enough nets in class A

4) In Classless InterDomain Routing (CIDR) the following address has how many bits for the host part?  
**152.80.21.5/15**

**17**

5) Internet packets are called datagrams and have a max length of 64 kilobytes.

6) In IP fragmentation, the last datagram is denoted by: FragFlag = 0

7) The Address Resolution Protocol returns A MAC sublayer address or link layer address when given an internet address

8) Which of the following is not a specific use of ICMP.

**A) Re-establish connection**

B) Echo Request Reply

C) Determine Destination Unreachable

D) find TTL expiration

9) In traceroute, a Host A is trying to find Host B. Each router in between will send the message back to the sender (Host A) once: **TTL = 0**

10) In DHCP Protocol, a DHCP Discover message is sent by the **Client** and the DHCP Offer message is sent by the **Server**