

## Quiz 1 Answers

- 1) The speed at which packets are sent is the Transmission Rate
- 2) The delay in time it takes from when the client sends a request until it receives a response is called Transmission Delay
- 3) Guided Media and Unguided Media most specifically refer to Two types of physical media
- 4) Fill in the blanks:  
Circuit switched networks utilize **one dedicated channel** while packet switched networks **breaks down and sends messages independently**
- 5) The layers, in order, of the Five-layer Internet protocol stack are: Application, Transport, Network, Link, Physical
- 6) Most packet switches use store-and-forward transmission which means that the switch must receive the entire packet before it transmits the first bit of the packet
- 7) The use of separating queries to com, org, and edu servers is an example of the larger category of DNS
- 8) Fill in the blank:  
Nonpersistent and persistent hypertext transfer protocol (HTTP) differ in the amount of objects that can be sent over a TCP connection
- 9) In Content Distribution Networks (CDN) the CDN name server is a DNS like name server used for redirection
- 10) Which of the following is the correct binary representation of the given part of an IPv6 address?  
1704:a0a  
**A) 00010111 00000100 00001010 00001010**  
B) 00010111 00000100 1010 00001010  
C) 10000111 01000000 01010000 01010001  
D) 10010010 11001100 01110110 10010010