

Network Architectures 3329
Spring 2018
03/28/18

Name: _____
Quiz 9-1
Time Limit: 5 minutes

- **Print your name.**
- Close-book policy: You may not use the text, my class notes and/or any notes and study guides you have created. You may use a calculator. You may not use a cell phone or computer.

Problem	Points	Score
1	1	
2	1	
3	1	
4	1	
5	1	
Total:	5	

1. (1 point) With Dynamic Host Configuration Protocol (DHCP)
 - A. hosts are assigned temporary address that will change each time the hosts reconnect
 - B. the addresses can be reused
 - C. does not require any configuration
 - D. all of the above**

2. (1 point) Which of the following DHCP messages are exchanged via broadcasting?
 - A. DHCP discover
 - B. DHCP request
 - C. DHCP ack
 - D. all of the above**

3. (1 point) With NAT sits between the external Internet and a local network, we can
 - A. change addresses of the devices in the local network without notifying the ISP
 - B. the devices in the local network is not visible by the Internet
 - C. the local network is more secure
 - D. all of the above**

4. (1 point) IPv6 aims to improve performance as well as add new facility. Which of the following feature(s) is(are) designed for new facility?
 - A. fixed-length header
 - B. disallow fragmentation
 - C. allow priority and flow label**
 - D. all of the above

5. (1 point) If a port number field is N bits long, the NAT protocol will be able to support up to how many devices with a single public IP address? 2^N .