1. 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. 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. 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. 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. 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? _____