EL-GY 5373 Online Quiz A

I. Answer True or False to the following questions:

1. In Ethernet switch, collisions could occur among frames received from different Ethernet ports.
   a) True   b) False

2. When a frame is delivered within a LAN with Ethernet switches, its frame structure is not changed.
   a) True   b) False

3. When a frame is delivered from an Ethernet LAN to a wireless LAN (Wi-Fi), its frame structure is not changed.
   a) True   b) False

4. For LANs inter-connected with bridges, each LAN determines its own dedicated bridge that provides the minimal cost path to the root bridge.
   a) True   b) False

5. The ARP cache in a host only contains hardware addresses of those hosts or network device ports which are located in the same subnet with the host.
   a) True   b) False

6. In wireless LAN, multiple access points (APs) are interconnected through BSS.
   a) True   b) False

7. Two LANs are interconnected through an Ethernet switch, when packets are exchanged between the two LANs, the switch needs to check both the MAC header and IP header.
   a) True   b) False

8. Two LANs are interconnected through an IP router, when packets are exchanged between the two LANs, the router needs to check both the MAC header and IP header.
   a) True   b) False

9. IP Five-Tuple is used to identify the uniqueness of each IP communication session. It contains domain name, port number, IP address, IP subnet mask, and MAC address five elements.
   a) True   b) False

10. As networking diagnostic tools, Tcpdump is used for analyzing TCP segments while Ethereal provides traffic sniffing in Ethernet LAN.
   a) True   b) False