

Quiz 4 Solution

1. Compare layer-3 router, layer-2 bridge, and layer-2 repeater (5 points)

Layer-3 router forwards the packet according to the IP address.

Layer-2 bridge forwards the frame according to the MAC address (after self-learning).

Layer-2 repeater broadcasts the frame to all the ports without identifying to which port the destination is connected.

2. When did IEEE 802 committee start? State the year and the month (2 points)

February, 1980.

3. What is the extension of IEEE 802.16 for the mobility support? Name it with three different names, i.e., (1) IEEE name, (2) industry alliance name, and (3) Korean standard name. (1 points each, total 3 points)

(1) IEEE 802.16e

(2) WiMax

(3) WiBro