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Assignment 4 – Written

1. The client uses 0.0.0.0 for broadcast/request
2. The destination MAC address is ff:ff:ff:ff:ff:ff
3. The destination uses 255.255.255.255 for offer/ack
4. The destination MAC address is ff:ff:ff:ff:ff:ff
5. The DHCP server address is 255.255.255.255
6. The client MAC address is 00:22:fa:5e:bf:18 and the server MAC address is 00:0f:66:5a:3d:a8
7. The IP address offered to the client is 192.168.1.100
8. The subenet is 192.168.1.100, the broadcast address is ff.ff.ff.ff.ff.ff
9. DHCP also provides the DHCP message type, the DHCP server identifier, and the IP Address lease time
10. DHCP can use the transaction ID in order to differentiate between the two servers, as they would have different transaction IDs even if they came at the same time.