

NAME: _____

EE444 Introduction to Computer Networks

April 19, 2018
Quiz #5 Group A

CLEARLY STATE YOUR ASSUMPTIONS, SHOW ALL YOUR WORK

Following are the configuration parameters of your host machine (obtained by ipconfig -all).
Underlined parts are in binary.

Physical Address: PHY0	IPv4 Address: 144.122. <u>10100111</u> .169	Subnet Mask: 255.255. <u>11111110</u> .0	Default Gateway: 144.122.166.1
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Your host machine wants to send an IP packet with destination address:

144.122. 10100101.45

Clearly write down the steps of operation and identify the IP address of the target in the ARP request to be sent. Assume ARP cache is empty.

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Quiz #5 Group B

CLEARLY STATE YOUR ASSUMPTIONS, SHOW ALL YOUR WORK

Following are the configuration parameters of your host machine (obtained by ipconfig -all).
Underlined parts are in binary.

Physical Address: PHY0	IPv4 Address: 144.122. <u>10100111</u> .169	Subnet Mask: 255.255. <u>11111110</u> .0	Default Gateway: 144.122.166.1
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Your host machine wants to send an IP packet with destination address:

144.122. 10100110.85

Clearly write down the steps of operation and identify the IP address of the target in the ARP request to be sent. Assume ARP cache is empty.