

East West University
Dept. of Computer Science and Engineering
CSE 405 (Computer Networks)
Quiz # 2
Marks: 10
Time: (25 min + 5min) = 30 min

Please answer the following questions.

1. Write structure of class A, B and C type of IP addresses and show how many hosts are theoretically possible for each network. Why practically 2 hosts are less than theoretical value? (3 marks)
2. Generate the first and last host IP address of the 5th subnet for the following IP. (3 marks)

“112.155.180.46/13”
3. What is the subnet mask in decimal notation of the following IP if you take 6 bits for creating subnet? What is the broadcast IP of the 3rd subnet? (4 marks)

“145.135.0.0”