

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

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**Please answer the following questions.**

- 1) Write structure of class A, B and C type of IP addresses and show how many networks and hosts are theoretically possible for each network. (3 marks)
- 2) Generate the broadcast addresses of the 4<sup>th</sup> and last subnets for the following IP. (3 marks)  
“121.155.180.46/14”
- 3) What is the subnet mask in decimal notation of the following IP if you take 6 bits for creating subnet? What is the last host IP of the 3<sup>rd</sup> subnet? (4 marks)  
“156.150.12.90”