

25-Summer-CSE421-1

Quiz 4-A

Marks: 15

Time: 20 mins

Name

ID:

Serial:

1. Given, a random host IP of a network is 99.158.99.77 and also given that this network supports 32766 hosts.
 - a. Identify the subnet mask [4]
 - b. Identify the network address [3]
 - c. Identify the last host IP address [2]
 - d. How many sub-networks can you generate if you want supporting 500 hosts each with the network address
2. Shorten the following IPv6 address
 - a. 0000:0000:0000:0000:0001:0000:0000:0000 [2]
 - b. 1000:1000:1000:1000:1000:1000:1000:1000 [2]