CSE316
Assignment 2
Date: 09-06-2019
Due Date: 11-06-2019

Book: Data Communications and Networking By: Behrouz A. Forouzan McGraw-Hill, **5th Edition**

Chapter - 18

Problems: Q18-3, Q18-9, Q18-10, Q18-12, P18-4, P18-8, P18-11, P18-12,

Q-18-Extra

IP address: 11.10.3.10/22 belongs to an IP block granted to one ISP.

(a) What is the first and last address and number of addresses in the granted block?

(b) One organization asked for 3 sub-blocks of addresses from the ISP to use in three of its subnets: sub-block of 30, 250 and 15 addresses. Design the sub-blocks. (show first & last address of the blocks, and the unused addresses)

(c) After a while, another organization asked for three sub-blocks of addresses from the ISP to use in its three subnets: sub-block of 500, 100 and 50 addresses. Design the new sub-blocks for this organization (show first and last address of the blocks, and the unused addresses), without changing the previously designed blocks.

Late Submissions will not be accepted.