**ID:\_\_\_\_\_\_\_\_\_\_\_\_ Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DCAN202 Week 7 Tutorial – Data Communication and Networking**

**Q-1**

By using subnet calculator find network ID, host range, broadcast ID and what IP class for the following IP address below -

1. 192.168.11.0/24

2. 192.168.50.55/21

3. 202.10.13.0/24

4. 192.168.40.12/24

5. 10.5.52.0/28

Subnetting Calculator:

<https://www.calculator.net/ip-subnet-calculator.html>

<http://jodies.de/ipcalc>

Learn IP Subnetting from the video below:

<https://www.youtube.com/watch?v=POPoAjWFkGg>

**Q-2**

ABC Organisation wants to create 3 Networks for the following Team:

Customer Service Team: 120 People

Admin Team: 50 People

IT Team: 60

Use 192.168.10.0 IP range and create 3 networks so that minimum IP is wasted.