

### Objective

The assignment has been designed to develop the understanding of IP Addressing (Class Full and CIDR) and Sub netting.

### Instructions:

**Please read the following instructions carefully before solving & submitting assignment:**  
**Assignment should be in your own wordings not copied from internet, handouts or books.**  
**It should be clear that your assignment will not get any credit (zero marks) if:**

- **The assignment is submitted after due date.**
- **The submitted assignment does not open or file is corrupt.**
- **The assignment not submitted in MS Word file format.**
- **The assignment is copied (from other student or copied from handouts or internet).**
- **Student ID is not mentioned in the assignment file or name of file is other than student ID.**

For any query about the assignment, contact at [CS610@vu.edu.pk](mailto:CS610@vu.edu.pk)

**GOOD LUCK**

Q.1.

How many subnets and hosts per subnet can you get from the network 174.20.0.0/23 Remember for host part at least 2 bits are required? [10 Marks]

Q.2. Write the class name against each IP address given below, [5Marks]

IP Address	Class
122.25.125.10	
191.228.30.20	
224.25.239.55/8	
192.168.88.100/24	
222.127.160.79/19	