

Data Communication and Computer Networks

Assignment No.06

Assignment Date: 06-08-2023

Due date till 14-06-2023 (submit in cisco Lab till 11:00AM)

Solve the following questions.

- i.** The IP address (**10.137.12.14**) is given whose subnet mask is **255.255.252.0**
calculate the following
 - network address
 - first usable host address
 - last usable host address
 - broadcast address
 - total no. of usable address
- ii.** write the IP address **222.1.1.20** whose subnet mask is **255.255.255.192** in CIDR notation.
- iii.** Write the IP address **135.1.1.25** whose subnet mask is **255.255.248.0** in CIDR notation.
- iv.** The IP address (**192.168.2.4**) is given whose subnet mask is **255.255.255.240**
calculate the following
 - network address
 - first usable host address
 - last usable host address
 - broadcast address
 - total no. of usable address
- v.** Determine the CIDR notation for the IP address 172.16.0.1 with a subnet mask of 255.255.0.0.