

R.V. COLLEGE OF ENGINEERING

OBSERVATION / DATA SHEET

Date 5/03/21 Name Surgesh Kumar
Dept./Lab MCA Class 'B' Expt./No. 04
Title _____

* Demonstrate to calculate IP address using ipcalc

Step-1 : sudo apt-get install ipcalc

Now I will check address, Netmask, wildcard,
Hostmin Hostmax, Broadcast.

* for class A:

\$ ipcalc 10.0.2.5/8

Address: 10.0.2.5 = 8

netmask: 255.255.0.0

wildcard: 0.0.255.255

Network: 10.0.0.0/8

Hostmin: 10.0.0.1

Hostmax: 10.0.255.254

Broadcast: 10.0.255.255

Hosts/Net: 65534 class A, private Internet

Executed

Signature of
Teacher incharge

5/3/21

\$ ifcalc 128.0.0.0/16

Address: 128.0.0.0

Netmask: 255.255.0.0 = 16

wildcard: 0.0.255.255

Network: 128.0.0.0/16

Hostmin: 128.0.0.1

Hostmax: 128.0.255.254

~~Host~~ Broadcast: 128.0.255.255

Hosts/Net: 65534 class B

* for class c

\$ ifcalc 192.168.100.0/24

Address: 192.168.100.0

Netmask: 255.255.255.0 = 24

wildcard: 0.0.0.255

Network: 192.168.100.0/24

Hostmin: 192.168.100.1

Hostmax: 192.168.100.254

Broadcast: 192.168.100.255

Hosts/Net: 254

class C private Internet