R.V. COLLEGE OF ENGINEERING
OBSERVATION / DATA SHEET

Date 25/02/21 Name Durgesh Kumar

Dept./Lab MCA/03 Class 1 sem Expt./No. 01

Title _____

* Implementing star topology and demonstrate classful addressing

step-1 :- sudo apt-get update

step :2: change to class A with NAT network

step :3: check the IP address in command prompt

step:4: If the IP address is same change the IP address of another PC2.

step :5:- Next check the IP address using ifconfig

step 6: ping from PC1 to PC2

step 7: ping from PC2 to PC3

* check ifconfig from 1 PC1
  $ ifconfig ↵

inet addr: 192.168.100.4 mask: 255.255.255.0

* check ifconfig from 2 PC2
  $ ifconfig ↵

inet addr: 192.168.100.5 mask: 255.255.255.0

Executed
@
25/2/21

**Signature of
Teacher incharge**

o/p- of PC2 :

$ ping 192.168.100.4

64 bytes from 192.168.100.4: icmp-seq=1 ttl=64 time=0.719 ms

64 bytes from 192.168.100.4: icmp-seq=2 ttl=64 time=0.828 ms

2 packets transmitted 2 received, 0% packet loss, time 1114 ms

* Now go to second VM :-

$ ping 192.168.100.5

64 bytes from 192.168.100.5: icmp-seq=1 ttl=64 time=1.11ms

64 bytes from 192.168.100.5: icmp-seq=2 ttl=64 time=0.918ms

2 packets transmitted 2 received, 0% packets loss, time 114 ms