

DATE: 08-10-24

AIM:

To simulate RIP using Cisco Packet Tracer.

PROCEDURE:

→ Create network using 3 PC's + 4 Routers.

→ Assign IP Address

→ PC0

IP 10.1.1.1

Gateway 10.1.1.2

PC1

IP 200.1.1.1

Gateway 200.1.1.2

PC2

IP 222.2.2.2

Gateway 222.2.2.12

Router 3

gig 0/0 20.1.1.1

0/1 192.168.1.1

0/2 10.1.1.1

Router 2

gig 0/0 20.1.1.2

0/1 172.1.1.1

0/2 200.1.1.2

Router 1

gig 0/0 192.168.1.3

0/1 172.1.1.2

0/2 217.1.1.1

Router 4

gig 0/0 217.1.1.2

0/1 222.2.2.12

→ Click on Router 3

⇒ click config → RIP

⇒ Enter network 10.0.0.0 → Add

⇒ Enter network 20.0.0.0 → Add

⇒ Enter network 192.168.1.0 → Add

This step is done in order to add the neighbouring network address for Router 3.

→ Do same for Router 2, 1, 4

→ Now to display the routing table click on router (say Router 1)

⇒ then on CLI & type the command

# exit

# exit

# show ip route

### OUTPUT:

R. 10.0.0.0/8 via 192.168.1.1 gig 0/0

R. 20.0.0.0/8 via 192.168.1.1 gig 0/0

172.1.0.0/16 is variable connected 2 subnet  
2 masks

C. 172.1.0.0/16 is directly connected gig 0/1

L. 172.1.1.2/32 is directly connected gig 0/1

### RESULT:

Thus RIP is simulated using CISCO Packet  
tracer successfully.

