

Exp No. 11b

Date: 18/10/24

## RIP (Routing Information Protocol) using cisco

Aim:

To simulate RIP using cisco packet tracer

Procedure:

- 1) Create n/w using PCs & routers as shown
- 2) Assign IP address for PCs & router port

PC0: IP 10.1.1.1

Gateway: 10.1.1.2

PC1: IP 200.1.1.1

Gateway 200.1.1.2

Router 2 g0/0 - 20.1.1.1

0/1 - 192.168.1.1

0/2 - 10.1.1.1

Router 1 g0/0 - 192.168.1.3

0/1 - 172.1.1.2

0/2 - 217.1.1.1

- 3) Click on router 2

Click config → RIP

Enter n/w 10.0.0.0 → Add

" " 20.0.0.0 → Add

" " 192.168.1.0 → Add

This step is done in order to add configure neighbour n/w address for router 3

- 4) Do same for router 1

- 5) Now to display the routing table

check on router (say, router) 1

→ then on cli & type the command

# exit

# exit

# show ip route

O/P

R - 10.0.0.0/8 via 192.168.1.1 gig 0/0

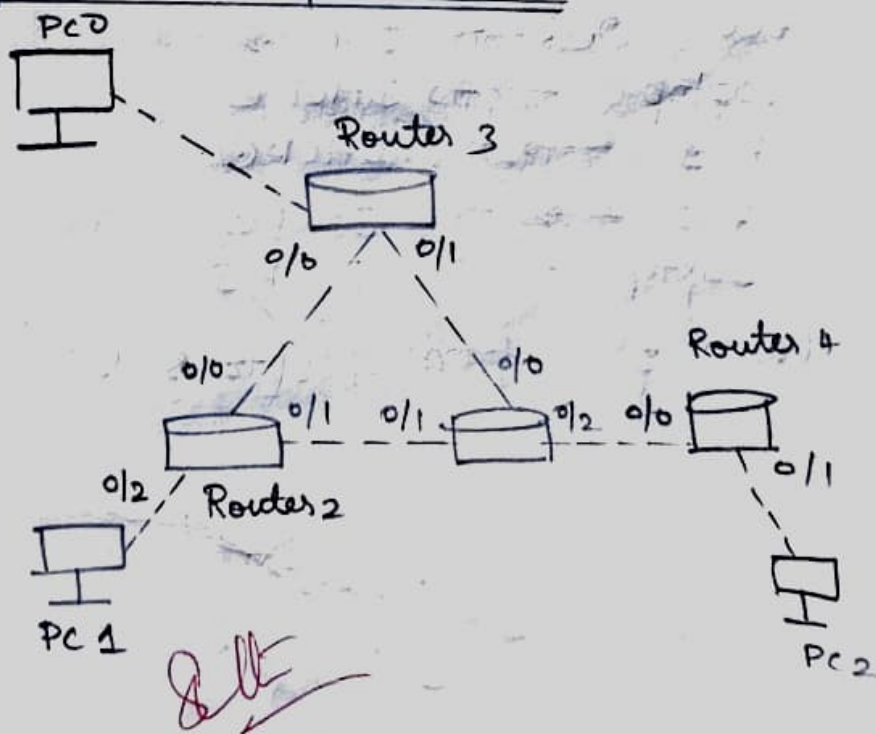
R - 20.0.0.0/8 via 192.168.1.1 gig 0/0

172.1.0.0/16 is variable connected  
2 subnet, 2 mask

C - 172.1.0.0/16 directly connected gig 0/1

L - 172.1.1.2/32 directly connected gig 0/1

### Diagrammatic Representation



Result:

Thus RIP is simulated using Cisco packet tracer successfully.