EXP No : 11b

DATE :

RIP

AIM :-

To simulate RIP using CISCO Packet Tracer.

PROCEDURE :-

1). Create nw using 3 PCs & 4 routers as shown in image.

2) Assign IP address for the PCs & router port.

PC0
IP 10.1.1.1
Gateway : 10.1.1.2

PC1
IP 20.0.1.1.1
Gateway 200.1.1.2

PC2
IP 222.2.2.2
Gateway 222.2.2.12

Router3
gig 0/0 - 20.1.1.1
0/1 - 192.168.1.1
0/2 - 10.1.1.1

Router2
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

3. Click on router3.

→ click config → RIP

→ Enter NW 10.0.0.0 → Add.

→ " 20.0.0.0 → Add

→ " 192.168.1.0 → Add.

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

4. Do same for Router 2, 1, 24

R2 → config → RIP

→ 20.0.0.0 → add

→ 172.1.0.0 → add

→ 200.1.1.0 → add

Router 1 → config → RIP

→ 172.10.0 - add

→ 192.168.1.0 - add

→ 217.1.1.0 → add

Router 4 → config → RIP

→ 217.1.1.0 – add

→ 222.2.2.0 – add.

5. Now to display the routing table click on router (say R1)

→ then on CLI, & type the command

#exit

#exit

show ip route.

OUTPUT :-

R – 10.0.0.0/8 via 192.168.1.1 gig0/0

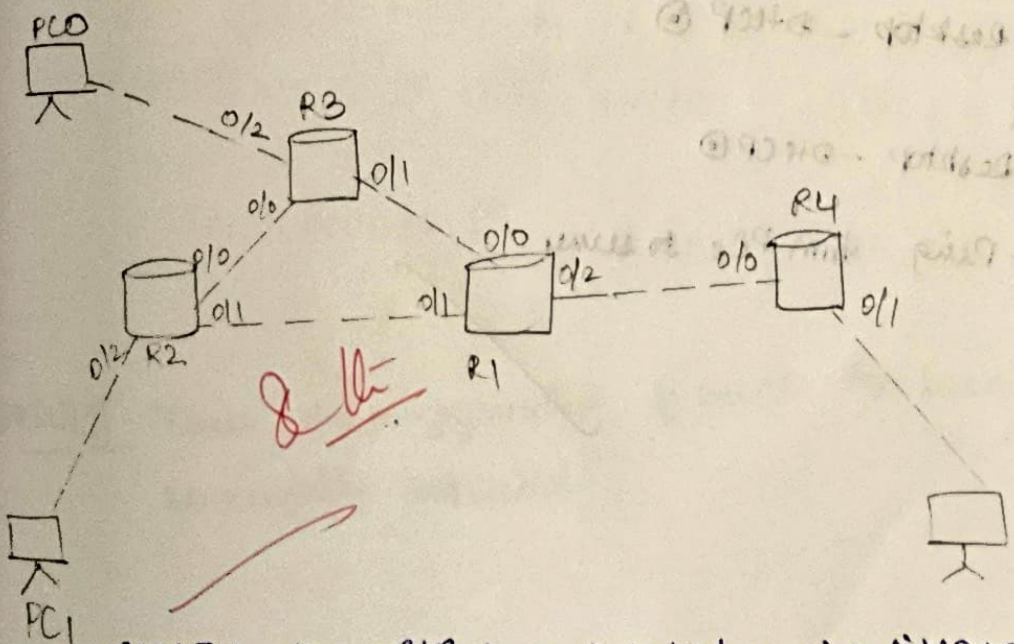
R. 20.0.0.0/8 via 192.168.1.1 gig 0/0

172.1.0.0/16 is variable connected & subnet & mask:

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

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

DIAGRAMMATIC REPRESENTATION :-



RESULT :- Thus RIP is simulated using cisco packet tracer successfully