Ex No: 11 b RIP

Date: 18-10-24

Aim:

To simulate RIP using Cisco packet tracer

Procedure:

1) Create network as using 3PC & 4 routers as shown

2) Assign IP address for PC3 & router ports

PC0

IP - 10.1.1.1

Gateway: 10.1.1.2

PC1

IP - 200.1.1.1

Gateway - 222.2.2.1.2

PC2

IP - 222.2.2.2

Gateway: 222.2.2.1.2

Router 3

gig 0/0

0/1

0/2

Router 2

gig

Router

gi

3) Cl

→

→

→

Thus

netw

4) D

Router 3

gig 0/0 - 20.1.1.1

0/1 - 192.163.1.1

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 - 217.1.1.2

0/1 - 222.2.2.12

3) Click on router 3

→ click Config → RIP

→ enter network 10.0.0.0 → Add

→ " " 20.0.0.0 → Add

→ " " 192.168.1.0 → add

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

4) Do same for router 2, 1, 24

Router2 → config → RIP

→ 20.0.0.0 → add

→ 172.1.0.0 → add

→ 200.1.1.0 → add

router1 → config → RIP

→ 172.1.0.0 – add

→ 192.168.1.0 – add

→ 217.1.1.0 – add

Router4 → config → RIP

→ 217.1.1.0 – add

→ 222.2.2.0 – add

5) Now to display the rouning table click on router (say router1)

→ then on CLI & type the command

#exit

#exit

#show p route

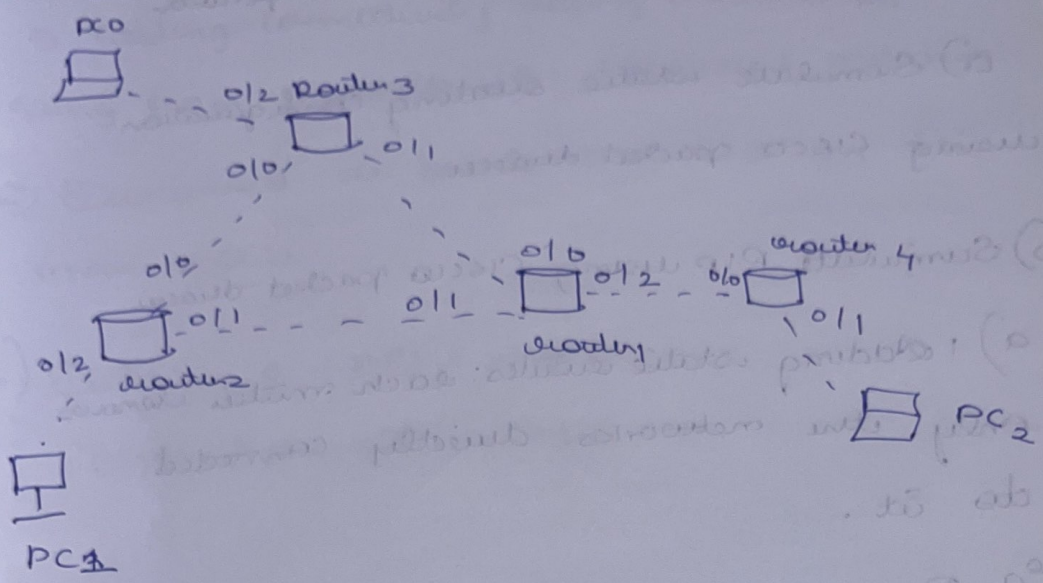
Output:

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

O. 172.1.0.0/16 via variable connected, 2 subnet 2 mask

Diagramatic representation:



Result:

Thus RIP simulated using Cisco packet tracer successfully.