Exp No: 11) b

RIP

Aim:

To simulate RIP using cisco Packet Tracer.

Procedure:

1. create network by using 3 PCs & 4 routers as shown in image.
2. Assign IP address for the PCs & router ports.

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
0/1

3. Click on
-> click
-> Enter
-> Enter
-> Enter

Thus step
neighbouring

4. Do same
Router

Router
-> 172
-> 192
-> 217

Router 4
-> 2
-> 2

5. Now to d
Router (say
-> then on
exit
exit
show

Router 4

gig 0/0 - 217.1.1.2

0/1 - 222.2.2.2

3. 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

Thus step is done inorder to add the neighbouring network address for router 3

4. DO same for Router 2, 1, & 4

Router 2 -> config -> RIP

-> 20.0.0.0 -> add

-> 172.1.0.0 - add

-> 200.1.1.0 - add

Router 1 -> config -> RIP

-> 172.1.0.0 - 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 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

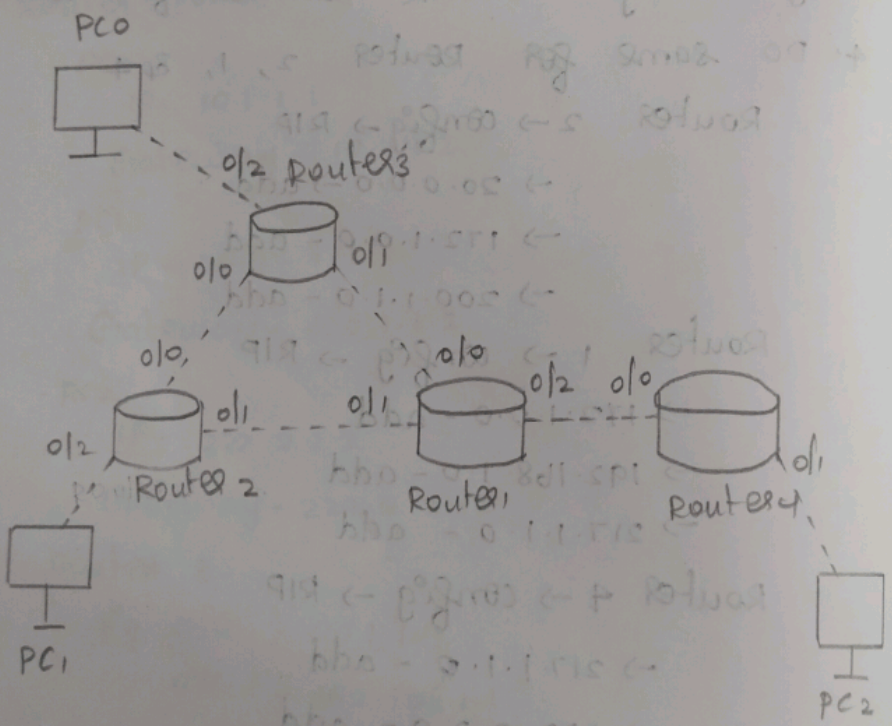
R - 20.0.0.0/8 via 192.168.1.1 gig 0/0

O - 172.1.0.0/16 is variable connected 2 subnet 2 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

Diagram:



Result:

Thus, RIP is executed successfully using cisco packet tracer.

Exp No. 12)a

Aim:

To Im
TCP/UDP se

Algorithm:

server.py:

→ create
→ Bind
(127.0.0.1)
→ continu
→ When
→ Displa
address
→ Repeat

client.py:

→ create
→ set a
waiting
→ send
to se
→ If
period
→ close