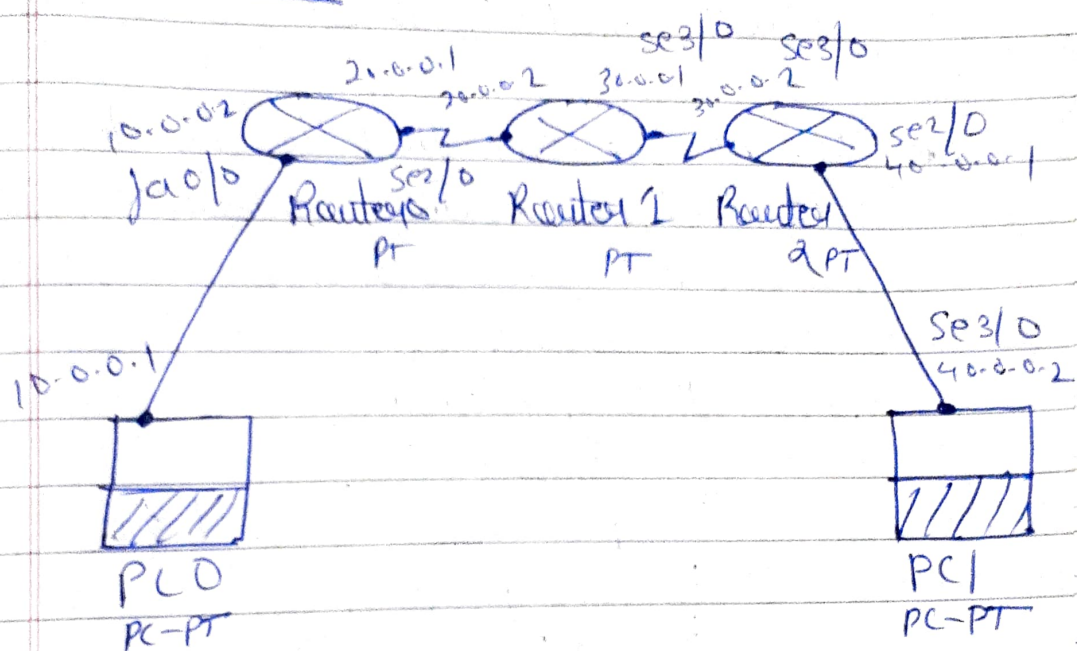


5/12/22 LAB PROGRAM: 4

Aim:- Configuring RIP Routing Protocol in Routers

Procedure:

Topology:



* Here the routers are configured with the networks to which it's already aware of.

Before giving the IP route configurations and setting the gateway we get the following results in the Command Prompt:-

PO Ping 40 0.0.1

Reply from 10.0.0.2: Destination unreachable
Request timed out
Request timed out
Request timed out

Packets: Sent = 4, Received = 0,
Lost = 4 (100% loss)

★ We have to give the following commands to configure between router to router

At sender's side:-

Router> enable

config terminal

interface s0/0

ip address 20.0.0.1 255.0.0.0

encapsulation ppp

clock rate 64000

no shutdown

exit

At receiver side:-

Router> enable

config terminal

encapsulation ppp

no shutdown

This establishes connection b/w

the routers .

outcome

Making routers connect 10 and 20 series network

router rip

network 10.0.0.0

network 20.0.0.0

Command Prompt:-

PC> Ping 40.0.0.1

pinging 40.0.0.1 with 32 bytes of data:-

Reply from 40.0.0.1 : bytes=32 time=16ms TTL=125

Reply from 40.0.0.1 : bytes=32 time=2ms TTL=125

Reply from 40.0.0.1 : bytes=32 time=2ms TTL=125

Reply from 40.0.0.1 : bytes=32 time=14ms TTL=125

Statistics:

Packets: Sent = 4, Received = 4,
Lost = 0 (0% loss)

Minimum = 2ms, maximum = 16ms, Avg = 9ms

Result :- Therefore the routers are configured using RIP protocol.