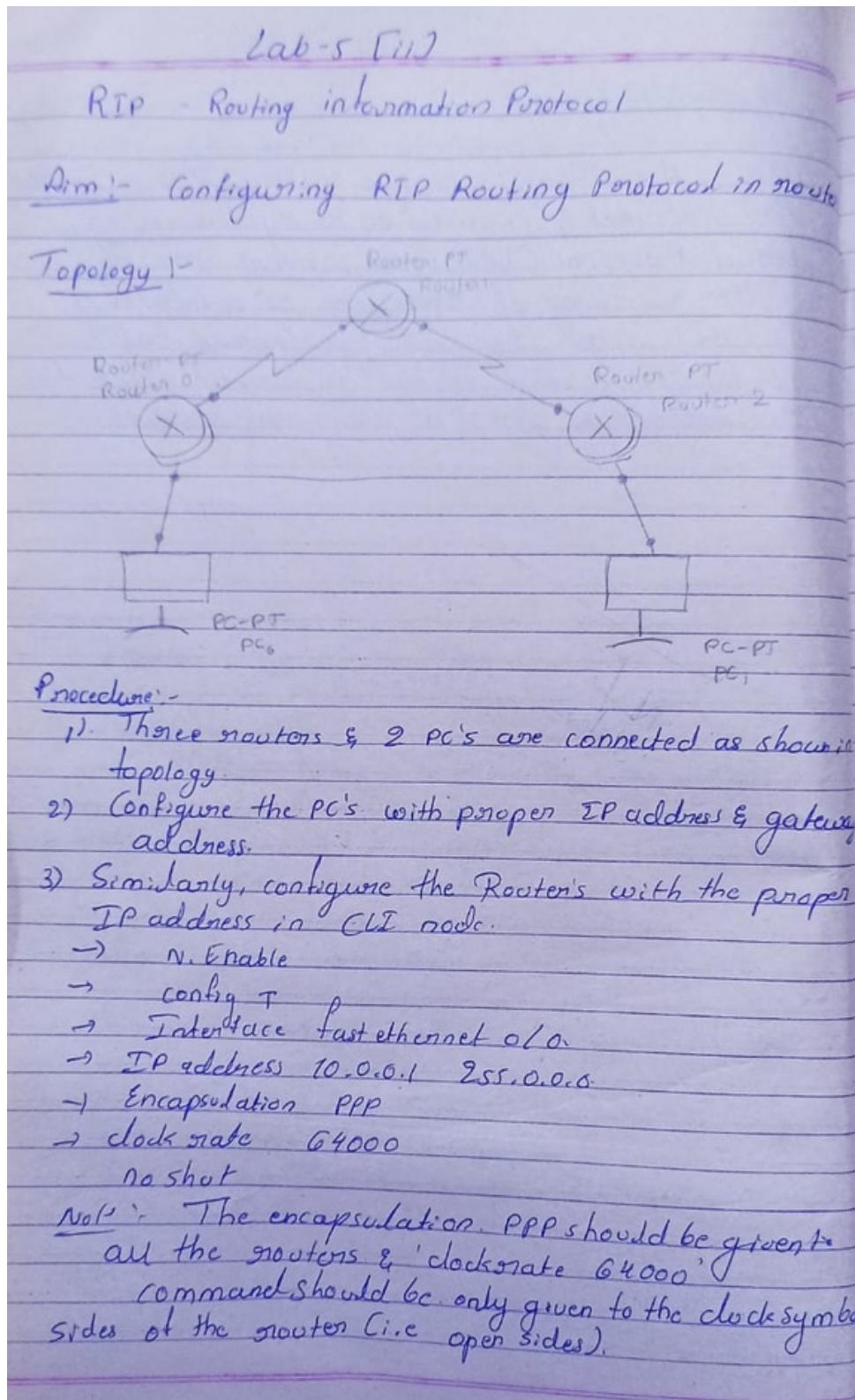


WEEK 6

Configure RIP routing Protocol in

Routers. OBSERVATION:



→ For making the routers to know about the other devices, in the previous 2 experiments we used 1 static & the other with dynamic addresses but here we use a Routing Protocol Algorithm that itself makes the routers to know other devices

→ router 1 IP

→ network 20.0.0.0 } router 2

→ network 30.0.0.0

→ router 3 IP

→ network 30.0.0.0 } router 3

→ network 40.0.0.0

→ router 4 IP

→ network 10.0.0.0 } router 4

→ network 20.0.0.0 }

Ping output

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:0ms TTL:128

Ping statistics from 40.0.0.1

_packets sent = 4 Received = 4 Lost = 0 (0% loss)

Approximate round trip times in ms

minimum = 0ms, maximum = 0ms Average = 0ms.

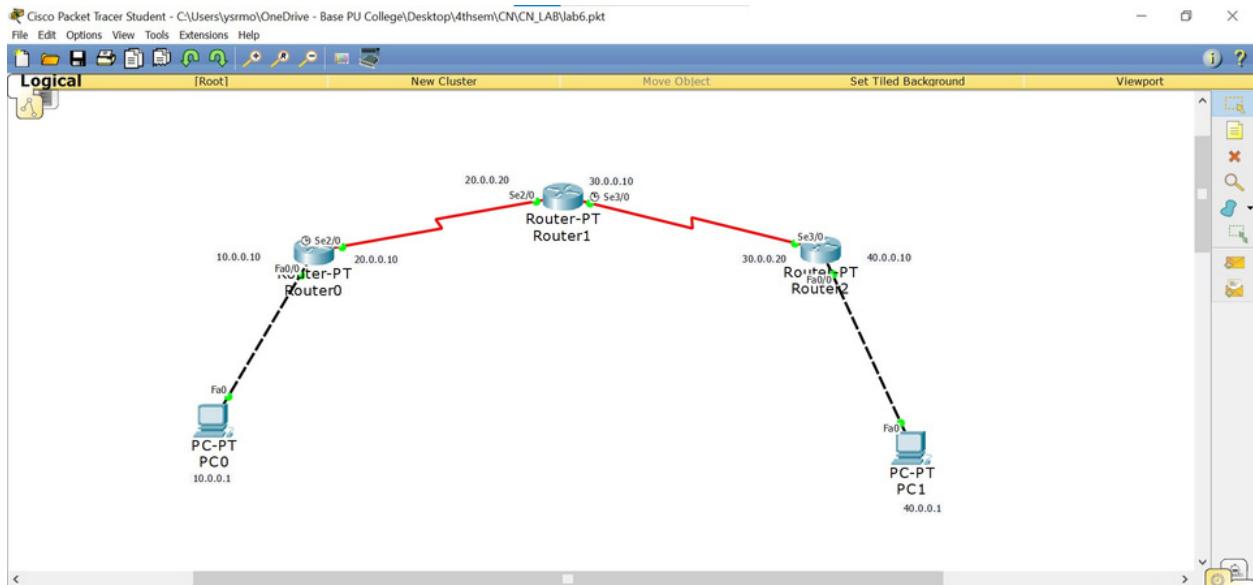
observation

RIP is the Routing Information Protocol. It is a distance vector protocol that uses hop count as its primary metric. RIP defines how routers should share information when moving traffic among an interconnected group of local area networks.

- The RIP protocol here, used to connect the routers to one other & PC's using RIP protocol & message is pinged successfully.

2
S/8/2023

TOPOLOGY:



OUTPUT:

```
Packet Tracer PC Command Line 1.0
PC>ping 40.0.0.1

Pinging 40.0.0.1 with 32 bytes of data:

Request timed out.
Reply from 40.0.0.1: bytes=32 time=8ms TTL=125
Reply from 40.0.0.1: bytes=32 time=5ms TTL=125
Reply from 40.0.0.1: bytes=32 time=10ms TTL=125

Ping statistics for 40.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 10ms, Average = 7ms

PC>
```

