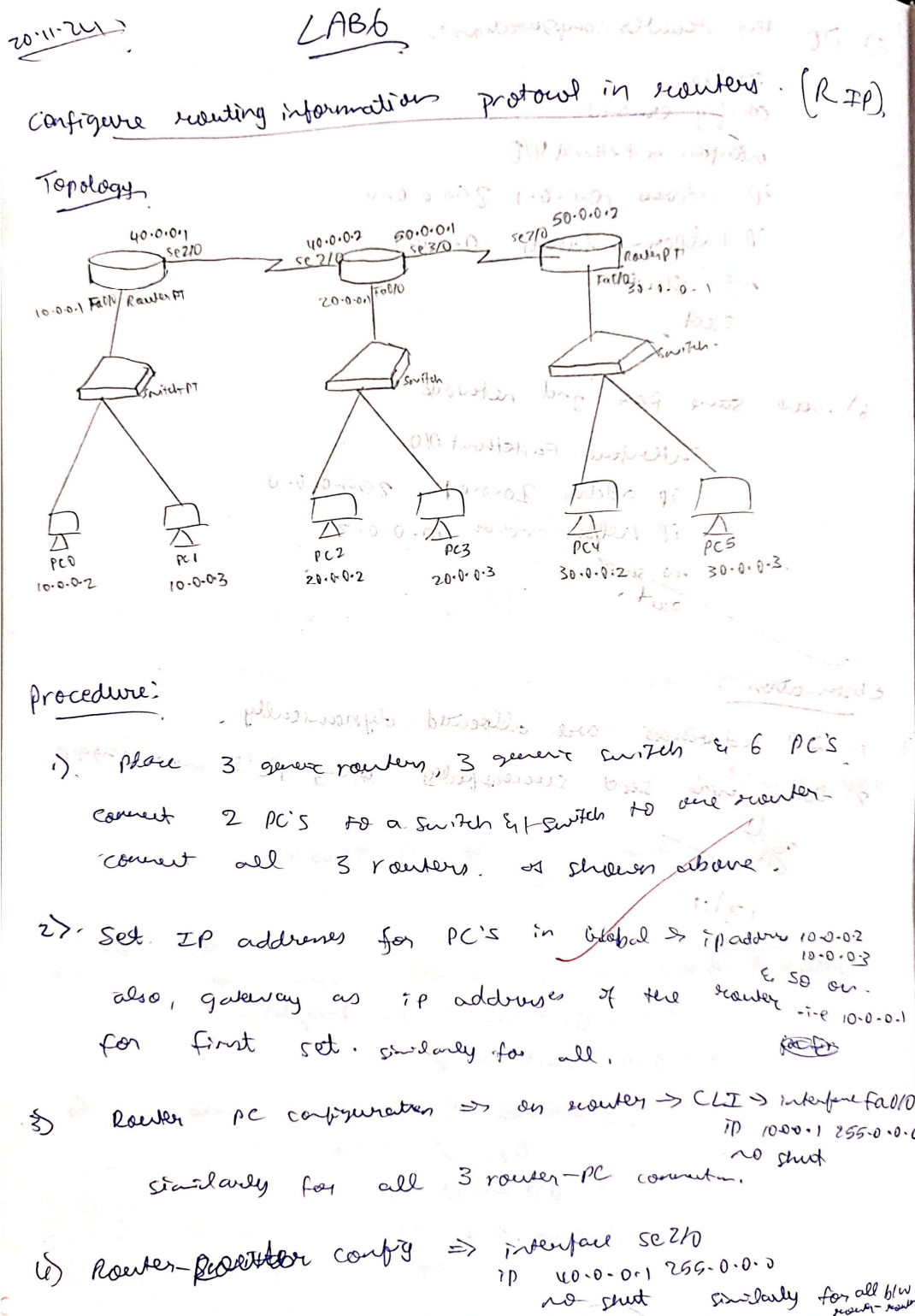


Program 6

Aim: Configure RIP routing Protocol in Routers .

Topology , Procedure and Observation:



5) Configure routing information protocol to 3 routers in Router 0

(config)# router rip

(config-router)# network 10.0.0.0

network 40.0.0.0

Similarly for Router 1 and Router 2.

40.0.0.0
50.0.0.0
20.0.0.0

50.0.0.0
30.0.0.0

Observation:

- Before rip, unable to ping \rightarrow was getting Request Timed Out.
- After configuring routing information protocol in routers, able to ping successfully.

Output:

* PC > ping 30.0.0.3

Pinging 30.0.0.3 with 32 bytes of data:

Reply from 30.0.0.3: byte=32 time=2ms TTL=126

" "

" "

" "

Ping statistics for 30.0.0.3:

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

Approximate round trip times in milliseconds:

Minimum=1ms, Maximum=3ms, Avg=2ms.

* #show ip route \rightarrow Router 3.

R 10.0.0.0/8 [120/2] via 50.0.0.1, 00:00:06, Ser2/0

R 20.0.0.0/8 [120/1] via 50.0.0.1 00:00:06, Ser2/0

C 30.0.0.0/8 is directly connected, Fa0/0

R 40.0.0.0/8 [120/1] via 50.0.0.1, 00:00:00, Ser2/0

C 50.0.0.0/8 is directly connected, Ser2/0

Screen Shots:

