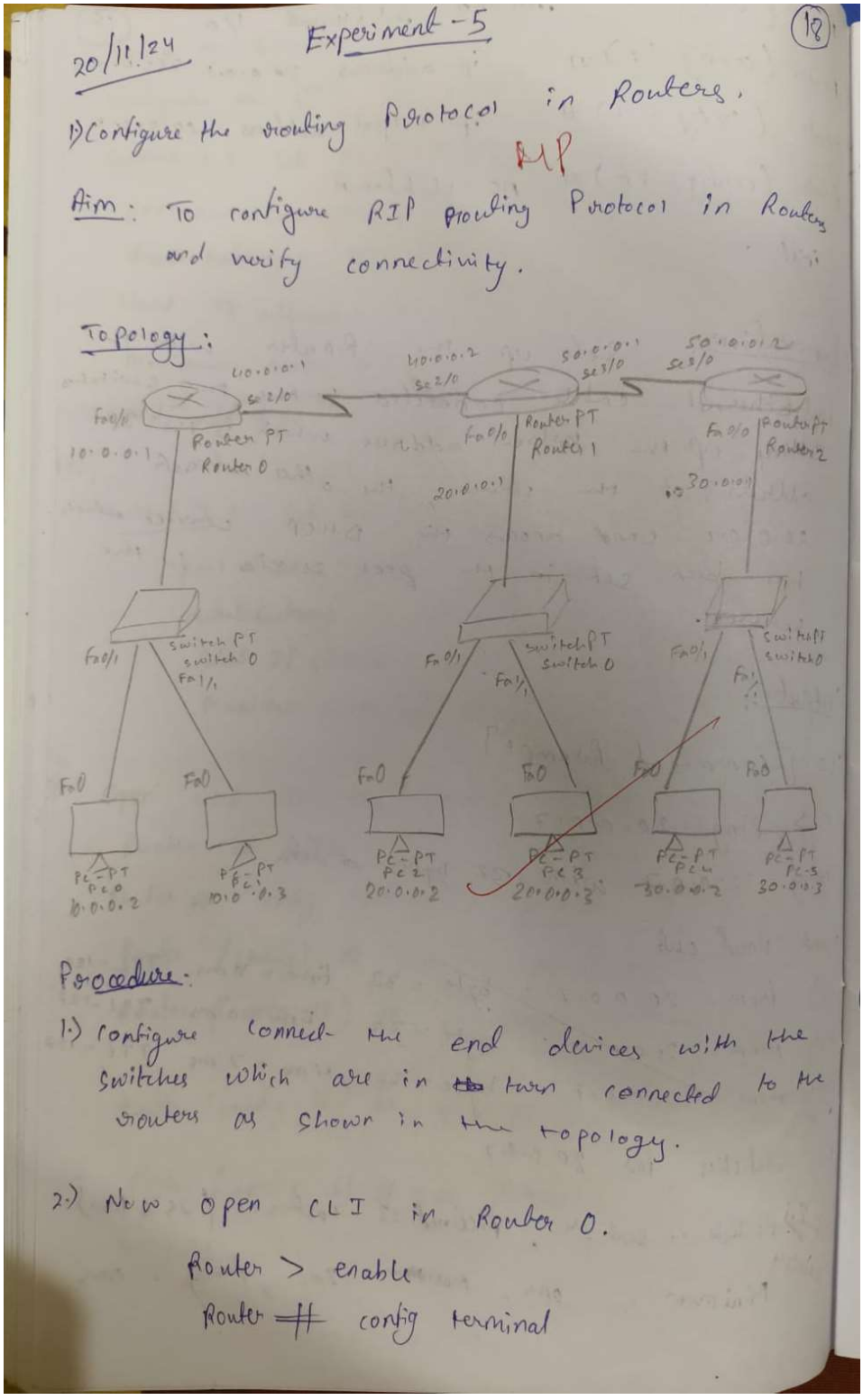
Program 6

Aim: Configure RIP routing Protocol in Routers .

Topology , Procedure and Observation:



Router (config) # router rip

Router (config-router) # network 10.0.0.0

Router (config-router) # network 40.0.0.0

Open CLI in Router 1.

Router > enable

Router # config terminal

Router (config) # router rip

Router (config-router) # network 40.0.0.0

Router (config-router) # network 20.0.0.0

Router (config-router) # network 50.0.0.0

Open CLI in Router 2.

Router > enable

Router # config terminal

Router (config) # router rip

Router (config-router) # network 50.0.0.0

Router (config-router) # network 20.0.0.0

Give the IP address of the root to establish the connection.

Observation :- After configuring the RIP router protocol the end devices are able to communicate properly

Output : Router 0

```
Router > enable
Router # show ip route.
C   10.0.0.0/8   is directly connected, fast Ethernet 0/0
R   20.0.0.0/8   [120/1] via 40.0.0.2, 00:00:24, serial 2/0
R   30.0.0.0/8   [120/1] via 40.0.0.2, 00:00:24, serial 2/0
C   40.0.0.0/8   is directly connected, Serial 2/0.
R   50.0.0.0/8   [120/1] via 40.0.0.2, 00:00:24, serial 2/0
```

Screen Shots: