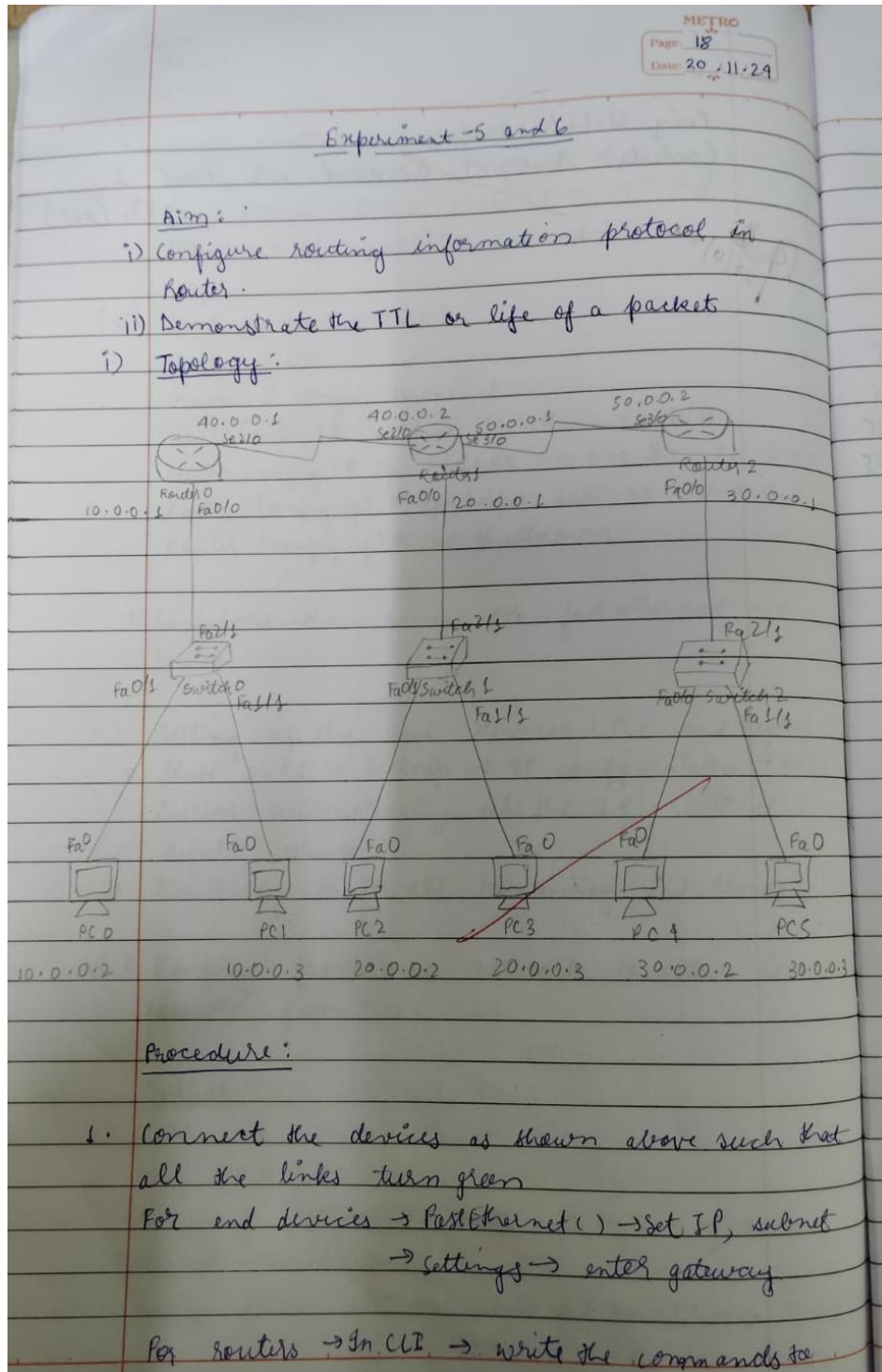


Program 6

Aim: Configure RIP routing Protocol in Routers .

Topology , Procedure and Observation:



setup all the IP addresses of the routers.

2. For routing

For each router go to CLI and enter

Ex: Router 1

```
Router>enable
```

```
Router # config terminal
```

```
Router (config) # router rip
```

```
Router (config-router) # network 40.0.0.0
```

```
Router (config-router) # network 50.0.0.0
```

```
Router (config-router) # network 20.0.0.0
```

Similarly for

Router 0 → connect to network 10.0.0.0 and 40.0.0.0

Router 2 → connect to network 50.0.0.0 and 30.0.0.0

3. Once this setup is complete, we can see the message from one device to any other end device.

Output:

In Router 0

```
Router # show ip route
```

```
C 10.0.0.0/8 is directly connected, fastEthernet 0/0
```

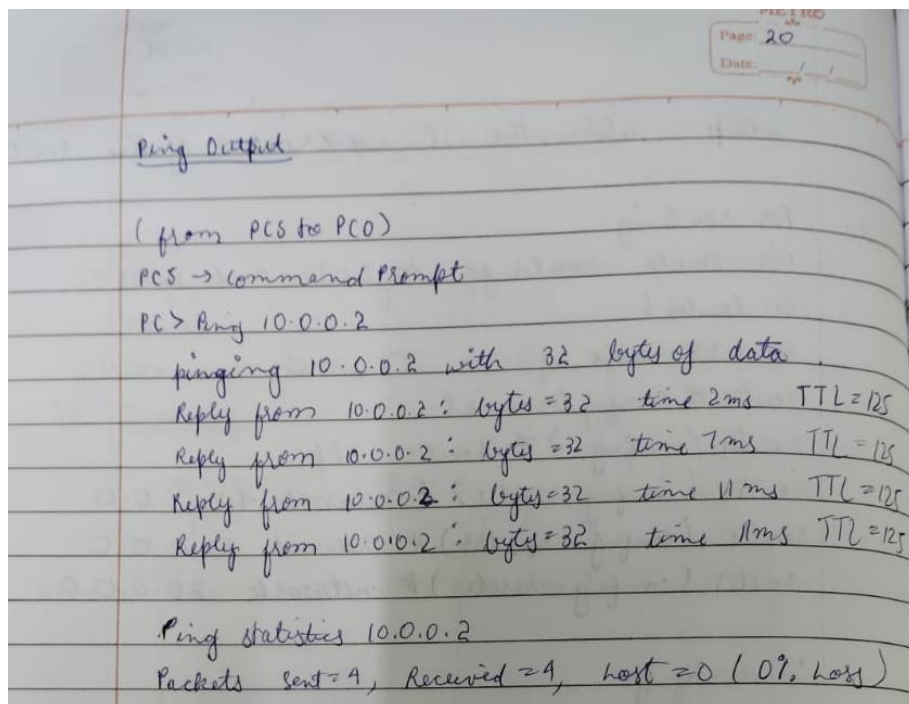
```
R 200.0.0.0/8 [120/1] via 40.0.0.2, 00:00:15, Serial 2/0
```

```
R 30.0.0.0/8 [120/1] via 40.0.0.2, 00:00:15, Serial 2/0
```

```
C 40.0.0.0/8 is directly connected, Serial 2/0
```

```
R 50.0.0.0/8 [120/1] via 10.0.0.2, 00:00:15, Serial 2/0
```

Similarly the output is shown for Router 1 and Router 2.



Screen Shots:

