Program 5

To configure RIP routing protocol in Routers.

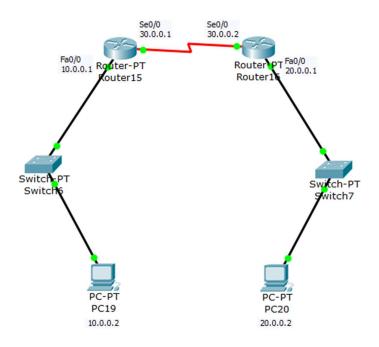


Figure 11: Topology

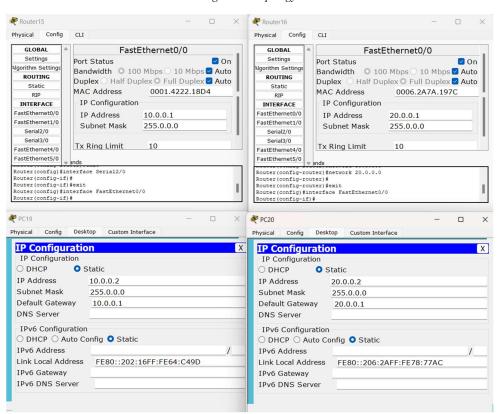


Figure 12: Router and PC IP addresses

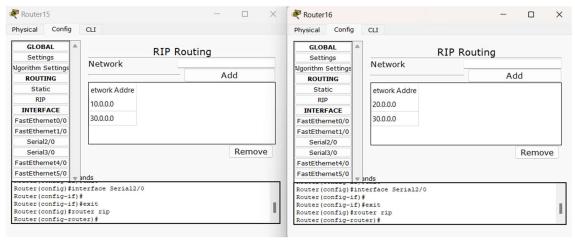


Figure 13: RIP networks

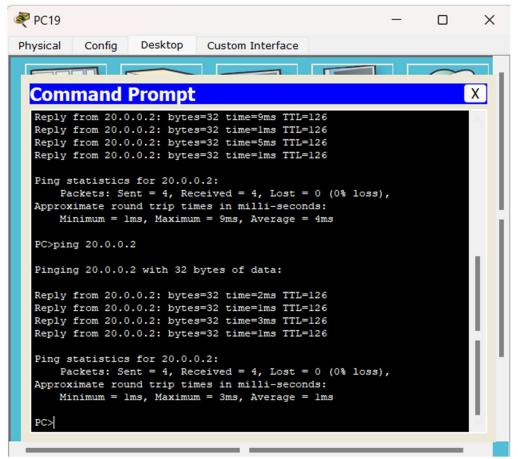


Figure 14: ping command output

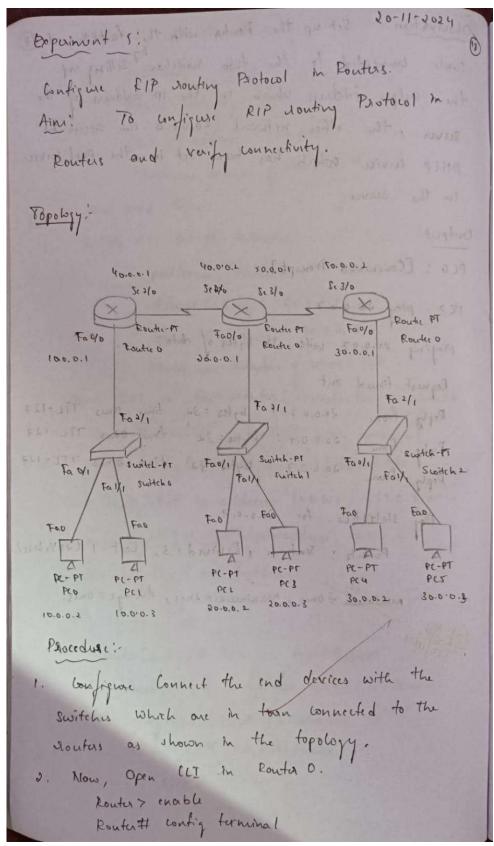


Figure 15: Observation book 1

```
Router (config ) # touter mip
            Route Conty-aparter )# network 10.0.0.0
            Router (config-souter)# network 40,0.0.0
    Open (L1 in Router 1.
    Router 7 enable

Router # config terminal

Router (config) # touter 9:0
 Router (config-router) # network 40.0.0.0
Router (configraouter) # network 20.0.0.0
 Router Cronfig router) # network 50.0.0.0
 Router > enable

Router # config terminal

Router (config) ## arouter sip

Router (config - arouter) ## network $0.0.0.0

Louter (config - souter) ## metwork 30.0.0.0
  Give the IP address of the good to establish
  the connection.
Observation: After configurity the default are RIP crowling protocol, the end devices are able to
  communicate property.
 Output: Router o
   Route, > enable
      c 10.0.0.0.0 8 is directly connected, Fortethernt 0/0
20.0.0.018 [120/1] via 40.0.0.2, 00:00:24, Sevial2/0
8 30.0.0.018 [120/1] via 40.0.0.2, 00:00:24, Sevial2/0
      c 40.0.0.018 B directly connected c Serial 2/0
           1 50.0.0.018 [120/1] via 40.0.0.2,00:00:24, soulto
```

Figure 16: Observation book 2