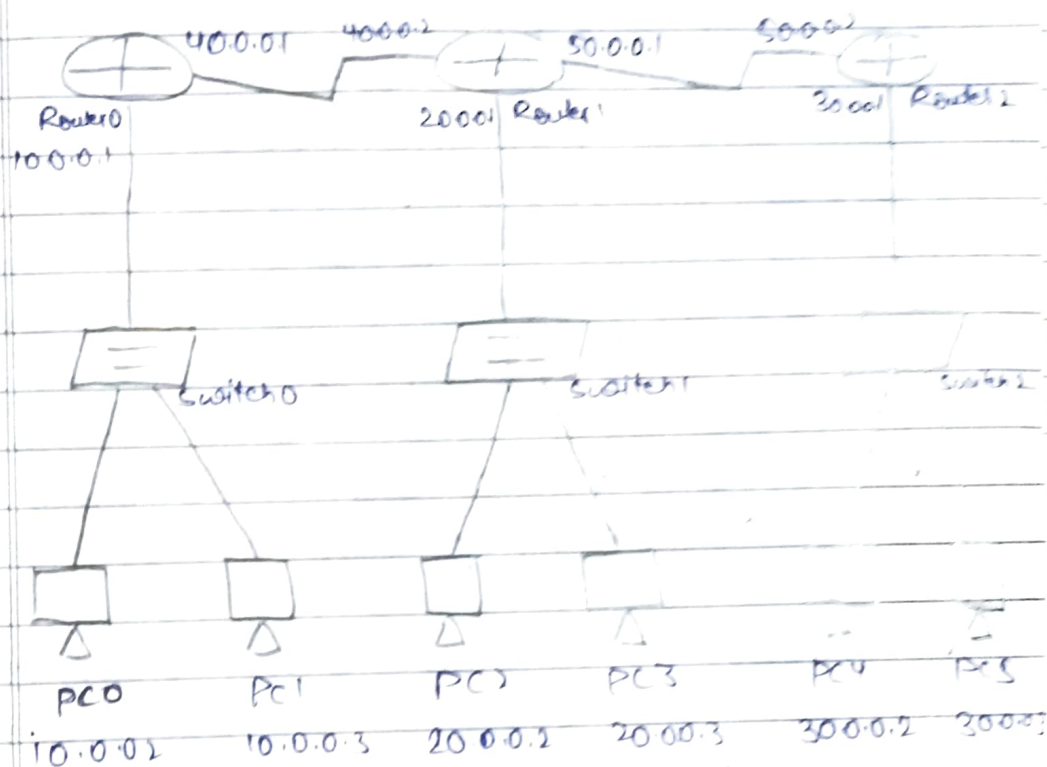


- Objective: Configure Routing Information Protocol in Router.

- Topology:



- Procedure:

- Place 6 PC's, 3 routers and 3 switches.
- Connect each pair of PC's to each switch and each switch to a router.
- Connect all the routers together.
- Set the IP addresses of the end systems along with gateway.

v) Configure routers with ip addresses of fastethernet and serial ports.

vi) For each router perform following after going to CLI:

> enable

> config terminal

> router ip

> network 10.0.0.0 (for router 1)

> network 40.0.0.0 (for router 2)

> network 50.0.0.0 (for router 3)

> network 20.0.0.0 (for router 4)

> network 30.0.0.0 (for router 5)

vii) For each router check the routes by

> show ip route.

viii) Now Ping from one PC of a router to another PC of another router i.e. for PC0 : Ping 30.0.0.2  
(10.0.0.2)

• Observation:

1. All devices connected successfully

2. Ping 30.0.0.2 from PC0

ping statistics for 30.0.0.2

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