LAB exp 4 :- (RIP Routing)
(Routing Information Protocol ?)

Topology :-

                    20.0.0.1   30.0.0.2
                                    Router 2   Router 3.
        Router 1   Se1/7
              OSe1/0   se3/0
                                                30.0.0.1   Fa0/0
        Fa0/0   Se2/0   O 30.0.0.1   40.0.0.1
              10.0.0.1   20.0.0.1

                                                        40.0.0.10
        IP: 10.0.0.10
        Dg: 10.0.0.1   Dg: 40.0.0.1

              PCO   PC 1
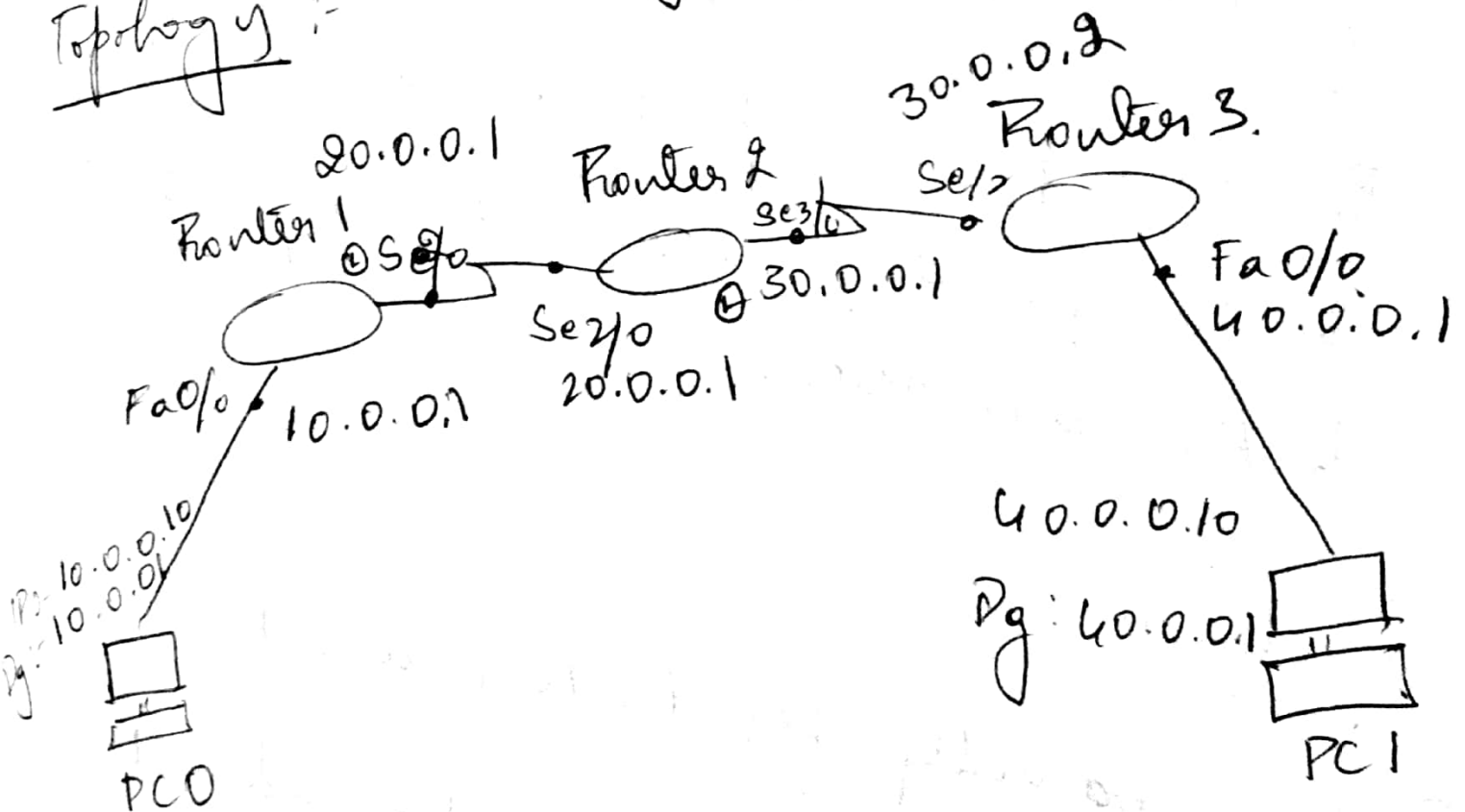
Routing information Protocol (RIP) is a
protocol that routers can use to exchange
network topology information. It is
characterised as a Interior gateway
protocol and is typically used in small
to medium sized protocol networks.

RIP protocol basically gets the address of the neighbouring routers also. So, this process repeats in all routers to transfer the message by the packet to the destination.

Next for the serial connected b/n the Routers
we have to configure the interfaces in a
different way! following way

For Se2/0 of Router 1

enable
config terminal
interface Se2/0.
ip address 20.0.0.1   255.0.0.0
encapsulation ppp
clock rate 64000
no shutdown
ent.

For Se2/0 of Router 2
interface Se2/0
ip address 20.0.0.2   255.0.0.0
encapsulation ppp
no shutdown
exit