LAB : 3 :

Router 0
se 2/0 →20·0·0·0↑
se 3 /0 →30·0·0·1

router1 e 2/0 →20·0·0·01
          se 0/0 →10·0·0·1

router 2 se 3/0 →30·0·0·2
          fa 0/0 →40·0·0·1

PC0
IP → 10·0·0·10
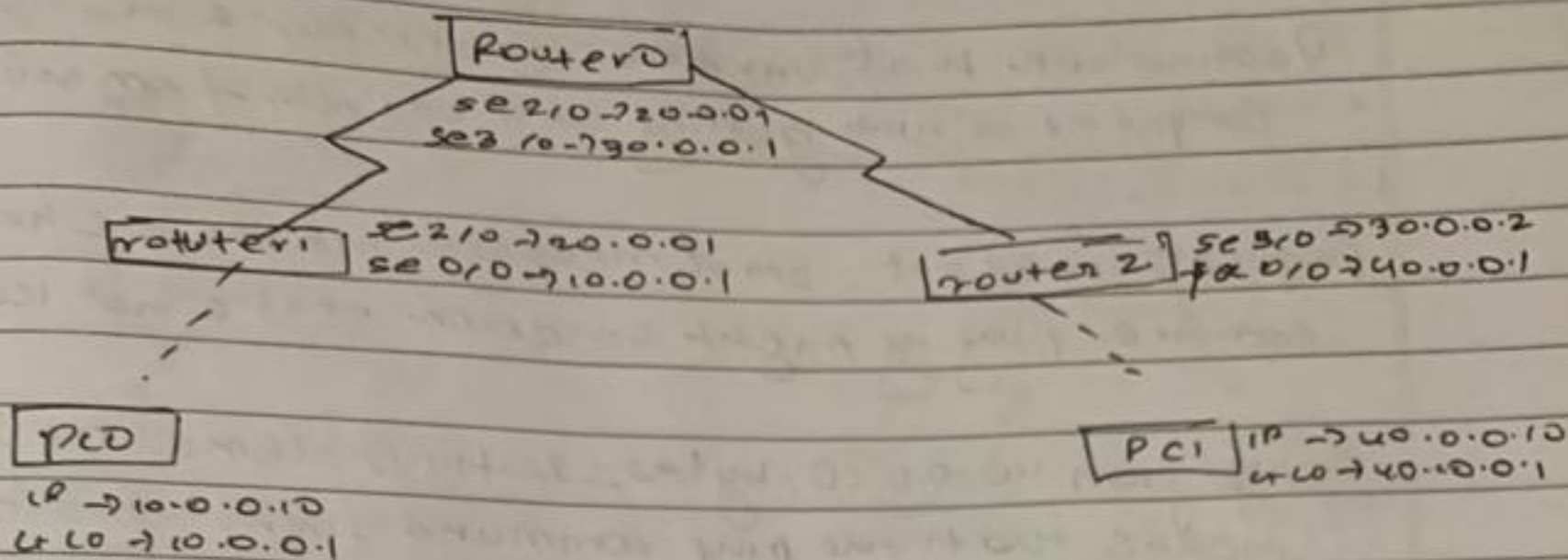& LO → 10·0·0·1

PC1 IP → 40·0·0·10
     & LO → 40·0·0·1

Observation :

→ each router knows only about its immediate neighbouring signals

→ It doesn't know anything beyond that.

→ R1 knows about 10·0·0·0 by 20·0·0·0

→ R2 knows about 30·0·0·0 by 40·0·0·0

→ L0 knows about 20·0·0·0 by 30·0·0·0

→ To know about further signal, it should go beyound its end points

Command in c4 (for Router 2)

Router7enable

Router #config terminal

Router (config) #ip route 20·0·00 255·0·0·0 30·0·0·0

router (config) #ip route 10·0·0·0 255·0·0·10 30·0·0·

Router (config) #exit

Router # show ip router

Destination that unreachable: means that your computer is not getting an IP address from router.

Request timed out: Error message means the host we eot are pinging might be down or it's not known

Reply from 40.0.0.10: bytes=32 time=16ms TZL=125 means that the ping command from 10.0.0.10 to 40.0.0.10 is sucessful.