8/12/2022

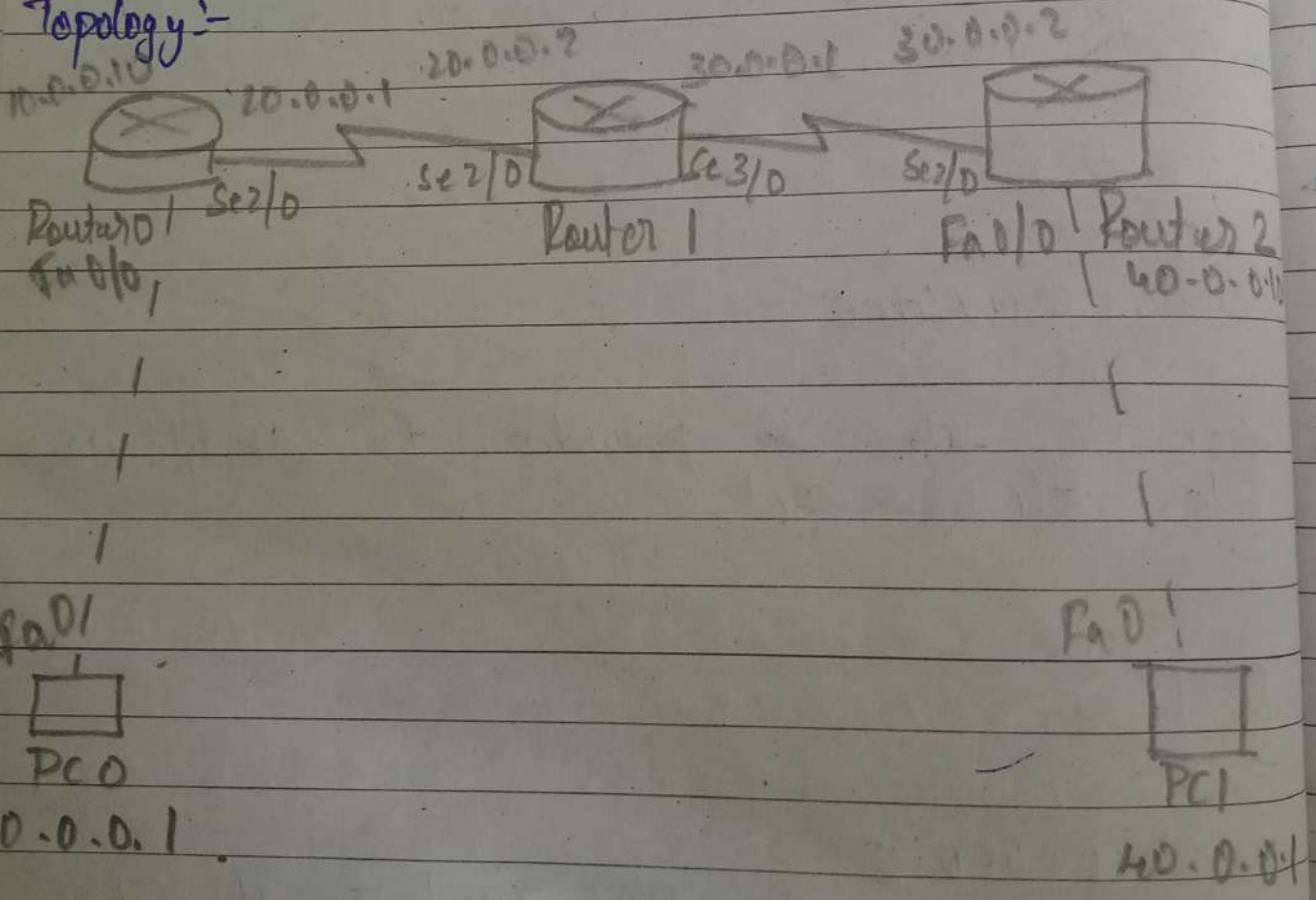
Lab :- 5

AIM :- Configuring RIP routing protocol in routers

RIP :-

Routing Information protocol is a dynamic routing protocol that uses hop as a routing metric to find the best path b/w the Source & the distination.

Topology :-



narzo Shot by uday

Procedure:-

1. place 2 PC's, 3 routers. ~~connect~~
2. ~~Set~~ IP address for PC0 as 10.0.0.1
   ~~Subnet~~ gate way as 10.0.0.10
   for PC1 set IP as 40.0.0.1 gate way as 40.0.0.10
3. Now go at Router 0, at CLI mode make connections for PC0 & Router 0 by following commands
   → interface fastethernet 0/0
   → ip address 10.0.0.10 255.0.0.0
   → no shut.
4. DO the above step similarly for Router 2 to Connect PC1.
5. Now for Router 0 & Router 1 Connection
   at Router 0:-
   ~~inter~~ at CLI
   interface serial 2/0
   ip address 20.0.0.1 255.0.0.0
   encapsulation PPP
   clock rate 64000
   no shut
   Similarly do ~~for~~ at Router 1 to make Connection between Router 0 & Router 1
6. repeat same for Router 1 & Router 2.

7. After all these above steps ping for the messages.

Observations:- Using RIP routing it is easy when large numbers of routers are present as in case of Static, IP routing is done for each & every routers

Result:- ping 40.0.0.1

pinging 40.0.0.1 with 32 bytes of da

Reply from 40.0.0.1: bytes = 32 time = 2ms TTL=12

Reply from 40.0.0.1: bytes = 32 time = 3ms TTL=1

Reply from 40.0.0.1: bytes = 32 time = 2ms TTL=1

Reply from 40.0.0.1: bytes = 32 time = 2ms TTL=

Ping Statistics for 40.0.0.1:

Packets: Sent = 4, Received = 4, Lost = 0

(0% Loss)

8/12/22

Lab

AIM

DNS

Topolo

proc

1. S

2.

3.