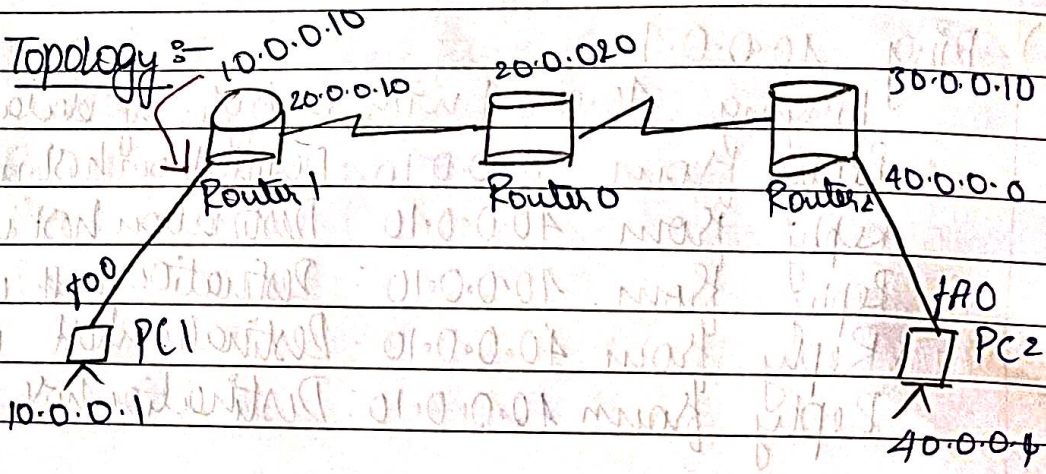
Question?

Experiment-3 :-

Default IP address :-

Topology :-



Procedure :-

- Select PC's & router & configure them with suitable IP.
- Make connections to all the devices using suitable connection links.
- For the routers to link between PC's & other routers. Use CLI mode & start typing the commands.
- ~~No~~ > Enable
  > config T
  > Interface fastethernet 0/0
  > IP address 10.0.0.10 255.0.0.0
  > No shut

Repeat these steps similarly to all the router in order to make default path.

> config T

IP route destination subnetmask device

> If router 0.0.0.0 0.0.0.0 20.0.0.10 similarily perform this to all the router

> Show IP router enter

10.0.0.0/8 is directly connected to fastethernet 0/0

20.0.0.0/8 is directly connected serial 2/0

0.0.0.0/0 [1/0] via 20.0.0.10

similarily all the router are connected.

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Observation :-

In the previous one, we have given the IP address to all the router with destination subnet, & intermediate IP address of these particular devices, but here in this experiment we use a default IP address i.e. 0.0.0.0 & subnet 0.0.0.0 so that it can create a pass through channel to all the packets that are sent will be transferred by the intermediate device. This is generally used in large no. of device connections.

q.no