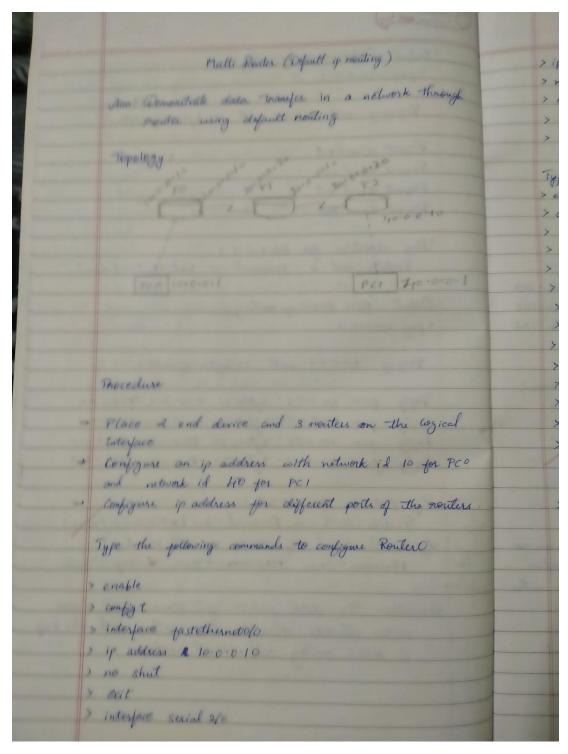
Experiment 3:

Default Routing



```
> ip address 20.0.0.10 255.0.0.0
 > no shut
 > exit
 > exit
 > ip noute 0.0.00 0.0.0.0 20.0.0.20
Type the following commands for Routers
 > enable
 > config t
 > interface serial 2/0
 > ip addgers 20.0.0.20 255.0.0.0
> no shut
> exit
 > interface serial 3/0
 > ip address 30.0.0.10 255.0.0.0
> no shut
> exit
 > exit
 > ip norte 10.0.0.0 255.0.0.0 20.0.0.10
> ip noute 40.0.0.0 255.0.0.0 30.0.0.20
>/exit
Type the following commands for Router 2
> enable
> config t
> interface fastethernet 0/0
> ip address 40.0.0.10 255.0.0.0
> exit
> interface serial 2/0
> ip address 30.0.0.20 255.0.0.0
> exit
> ip noute 0.0.0.0 0.0.0.0 30.0.0.10
> exit.
```

Connect the devices using serial wine Configure gateways on end devices Piny message from PCO to PCI Ordput: Fing 40.0.0.1 pinging 40.0.0.1 with 32 bytes of data Request timed out Reply from 40.0.0.1: bytes = 32 time = 20ms TTL = 125 Reply from 40.0.01: sytes=32 time=gons TTL=125 Reply from 40.0.0.1: bytes = 32 time = 21ms TTL=125 Ping statistics for 40.0.0.1: Packets Sent = 4, Received = 3, Lost = 1 (25% Loss) Approximate against thip times in milli seconds: Min = 9 ms, Max = 21 ms, Avg = 16 ms Observation: ane as last experiment If a norter has only one gathway to go, it can use defautt nouting to send packets of any destination to its adjacent neighbours. This was the case withe Roules 0 3 Routes 1. whereas in the other 2 nouters, we do usual static grouting.

Topology and output screenshots:

