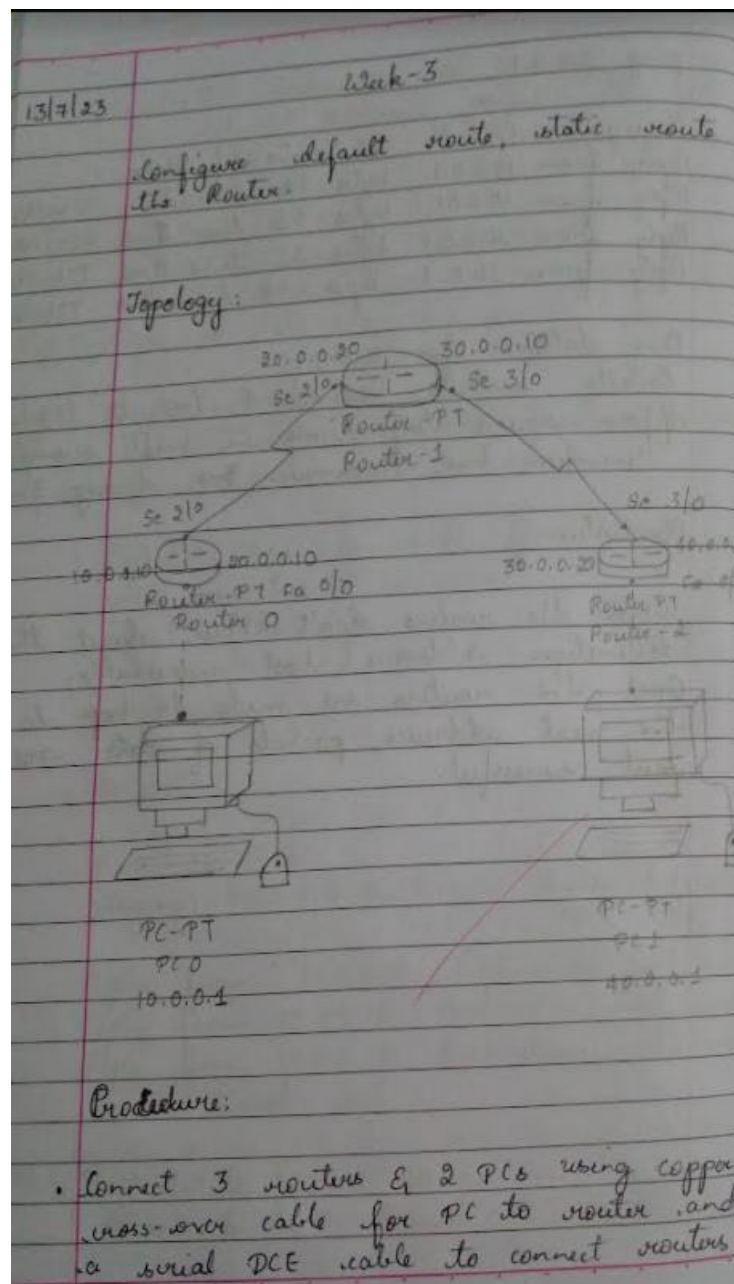


WEEK 3

Configure default route, static route to the Router

Observation book :



Date: / /
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- Set IP addresses of PCs and respective gateway numbers.
- Set IP address for routers in CLI mode using following commands:
 Enable
 Config T
 Interface fastEthernet 0/0
 IP address 10.0.0.10 255.0.0.0
 No shut
 Exit
 Interface s0/2/0
 IP address 20.0.0.10 255.0.0.0
 No shut
 Exit
 Exit
- Repeat the same address commands for other 2 routers with respective IP address.
- For Router 1 set IP route of other IP addresses by the following steps:
 Config T
 IP route 10.0.0.0 255.0.0.0 20.0.0.10
 IP route 40.0.0.0 255.0.0.0 30.0.0.20
 Exit
 Exit
 Show IP route
- For Router 0 & 3 we set default IP address.
- Set default IP route by following command

Page: /

```

Config T
IP route 10.0.0.0 255.0.0.0 20.0.0.10
IP route 40.0.0.0 255.0.0.0 30.0.0.20
Exit
Exit
Show IP route
  
```

- Go to command prompt & type ping messages to send packets.

Ping output:

```

Ping 40.0.0.1
Pinging 40.0.0.1 with 32 bytes of data:
Request timed out.
Reply from 40.0.0.1 with 32 bytes of data:
Reply from 40.0.0.1: bytes=32 time=1ms TTL=64
Reply from 40.0.0.1: bytes=32 time=2ms TTL=64
  
```

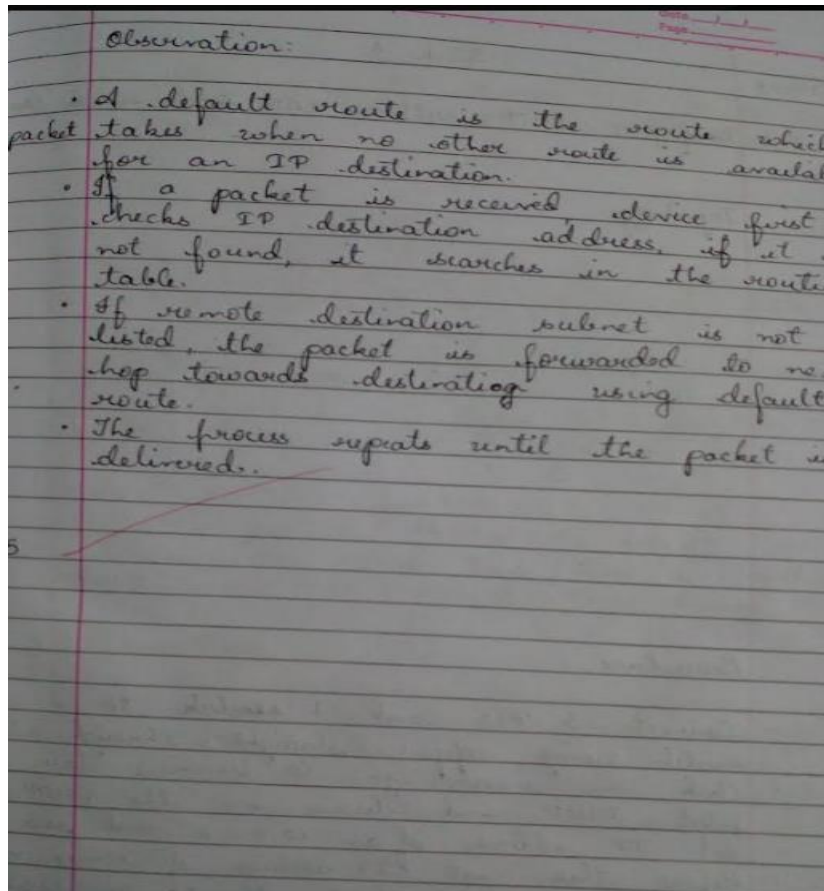
Ping statistics for 40.0.0.1:

Packets: Sent = 4, Received = 3, Lost = 1 (25%)

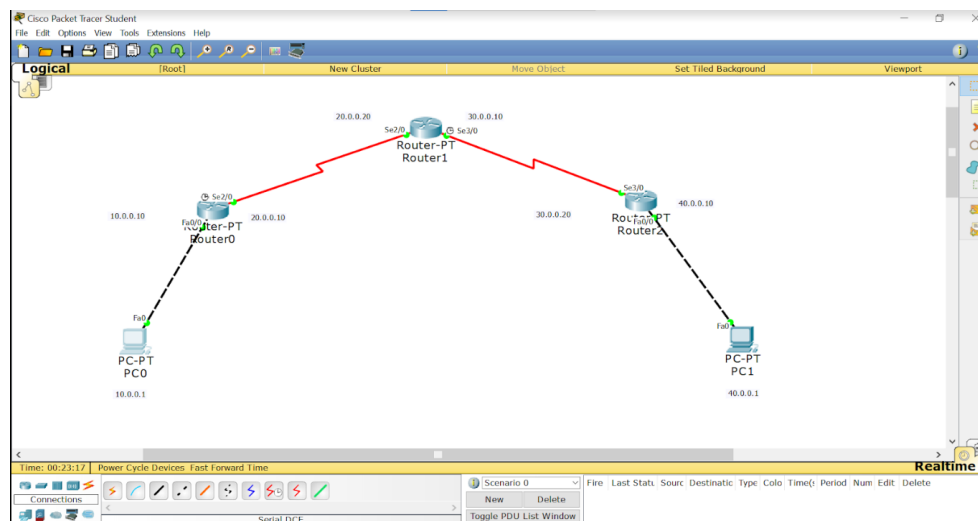
Approximate round trip time in milliseconds:

Minimum = 2ms, Maximum = 16ms, Average = 8ms

Observation:



Topology :



Output :

Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 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=2ms TTL=125
Reply from 40.0.0.1: bytes=32 time=16ms TTL=125
Reply from 40.0.0.1: bytes=32 time=2ms TTL=125

Ping statistics for 40.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 16ms, Average = 6ms

PC>ping 40.0.0.1

Pinging 40.0.0.1 with 32 bytes of data:

Reply from 40.0.0.1: bytes=32 time=21ms TTL=125
Reply from 40.0.0.1: bytes=32 time=9ms TTL=125
Reply from 40.0.0.1: bytes=32 time=2ms TTL=125
Reply from 40.0.0.1: bytes=32 time=4ms TTL=125

Ping statistics for 40.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 21ms, Average = 9ms

PC>|
```