22 66-23 Experiment - P. Din: Configure IP Aldress lo souters in Backet tracer Eaplove the following messages bring gusponses. destination un veachable requel timed out. reply. Experimental setap PC. 0 10.0.0, 3 Router Topology 20.0020 20.0020
30.00.20
30.00.20
30.00.20
30.00.20
8e 2/0

Se 210

Fa 0

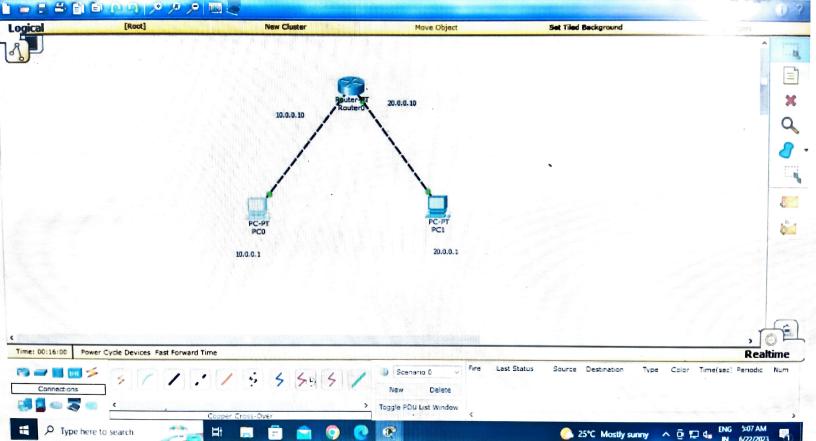
Fa 0

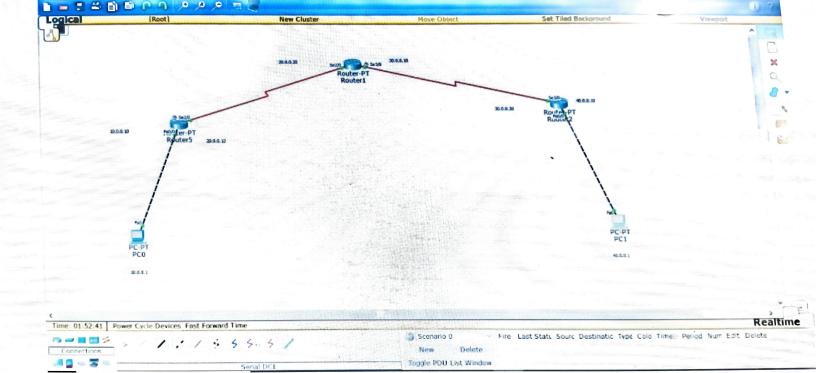
Fa 0

10.0001 1a 0/0 0.0.10 1 fa 0 10.0.01 PCI 10.0.00 Procedure: Take & PC and place then as shown n in the Lopology, & different IP address as they belong to a lifferent networker Place & routers belonging to these & networks bring their gateways and place the 5rd rower in botween to connect the & networks Set gotenays for & PC: and them going to the CII interface for each router specify the IP route for file to transfer using the commands

vouler > enable Rouler > # config terminal Router config : interface < port > Router confog of & Ip address < ip> < subnet may Renter (config): no shall Do this for all three nouters. Then go to terminal of either PC and thy to foing to the other one. The message fails to deliver due to not setting up network state, oranter and next hop. we again go for the CLI of each nonter and setup the "not hop" using the commond. > ip route < network-id > < mail > < next-hop>
> ip route 40,0.00 255.0:0.0 200.00 (for nowler 1) This is done so that router recognizes which fathway to take when packet is received for particular destination Result: 1) > ping 40.0.0; ] Pining 40.0.0.1 with 32 bytes of data : Destination host unreachable Reply from 10.0,0.10 : Destination host unreachable Reply from 10.0.0.10 : Destination host surroushable Reply from 10,0,0.10; Destination host un reache Reply from 10.0.0.10

Pang Statistics 1055=4 (100=105 Packets sent = 4; Received = 0; ii) > foing 40.0.0.1 Bing 40.0.01 with 82 byles of dola Request timed out Refoly from 40.0,0.10 Refoly from 40.0,0.10 Refoly from 40.0,0.10 Line 2ms TTL bytes = & ? bytes = 3 ? time = Rms TTL fine = Ams TTL bytes = sq Ping Statistics Packets Sent: 4: Recieved:1, loss=1 (25% loss) Observation: The ranker connects LAN to the entermet It connects different metavorks with different loss. Packets are forwarded to the cleat notion through serial forts on and to connect 2 nonters
the connecting





## **Command Prompt**

```
Packet Tracer PC Command Line 1.0
PC>ping 20.0.0.1
Pinging 20.0.0.1 with 32 bytes of data:
Request timed out.
Reply from 20.0.0.1: bytes=32 time=0ms TTL=127
Reply from 20.0.0.1: bytes=32 time=0ms TTL=127
Reply from 20.0.0.1: bytes=32 time=10ms TTL=127
Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 10ms, Average = 3ms
PC>
```

## **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:
Reply from 10.0.0.10: Destination host unreachable.
Reply from 10.0.0.10: Destination host unreachable.
Reply from 10.0.0.10: Destination host unreachable.
Request timed out.
Ping statistics for 40.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100%
loss),
PC>
```