Output Website:

___

Cisco Packet Tracer

Welcome to Cisco Packet Tracer.

Quick Links:
A small page.
Copyrights.

Name:
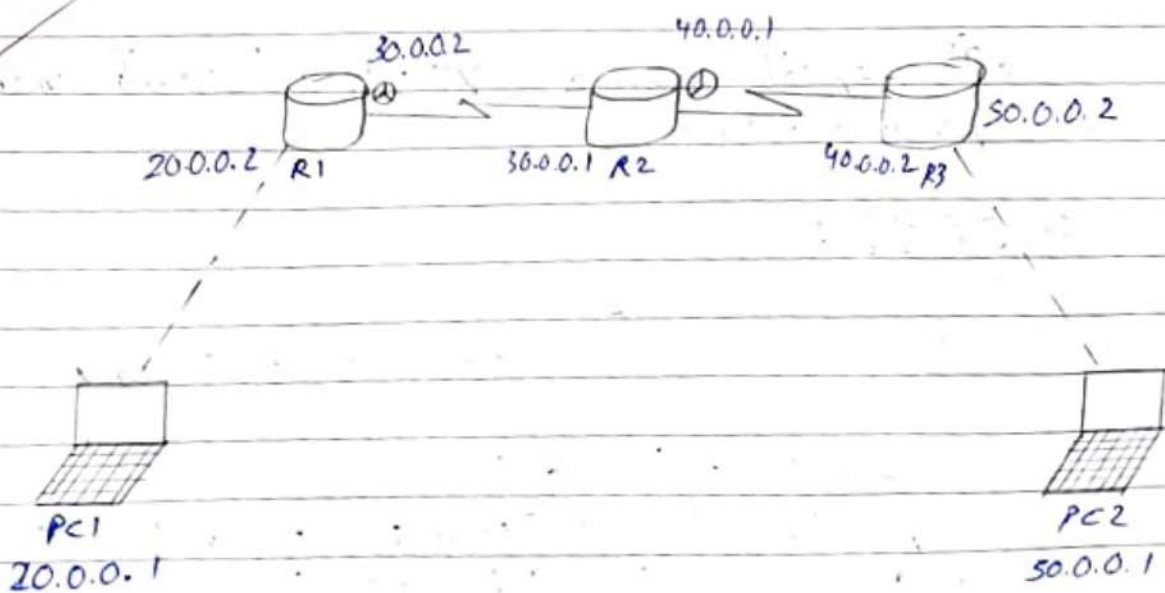Pulkit Raina.

USN:
1BM21CS148.

Q—1. Q: Config. RIP routing Protocol in Routers

Topology.

30.0.0.2   40.0.0.1

50.0.0.2

20.0.0.2 R1   36.0.0.1 R2   40.0.0.2 R3

PC1   PC2
20.0.0.1   50.0.0.1

10/10

N
2 / 8 / 23

STEPS.

① Create the ~~other~~ topology as shown.
② Configure all IP address of PCs & routers
as shown.
③ Set the gateway of PC1 as 10.0.0.2
& of PC2 as 30.0.0.2 resp.
④ config routers to router usig follows cmds :

   interface serial ↵
   ip address XX 255.0.0.0 ↵
   encapsulation ppp.
   clock rate 64000   < only for ones clocked

⑤ Now configure all routers with follos
   cmds:
                 config t
                 router rip ,
                 network 10.0.0.0   ⸝⸍⸍
                 network 20.0.0.0

⑥ Repeat same steps for all routers makig
respectivly changes

⑦ ~~OUTPUT~~
   ⑦ ping 50.0.0.1
   Pingig 50.0.0.1 with 32 bytes of data

   Request timed out
   Reply from 50.0.0.1 : bytes =32 time= 2ms TTL = 126
   Reply from 50.0.0.1 : bytes =32 time= 7ms TTL = 126
   Reply from 50.0.0.1 : bytes =32 time= 8ms TTL = 126
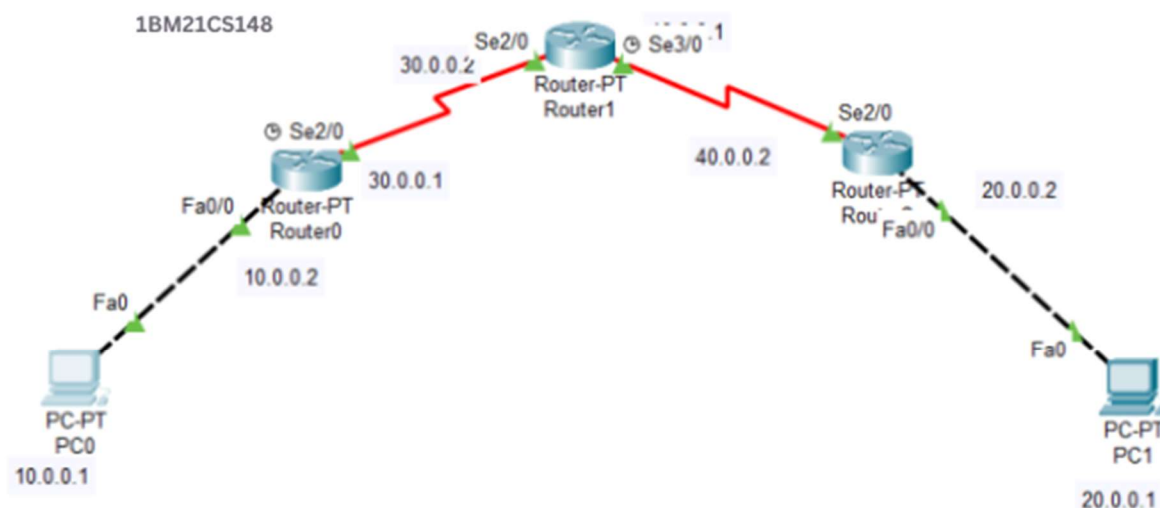   Png statistics for 50.0.0.1 :

~~OUTPUT~~

OBSERVATION :-

For huge networks IP route can't be set statically. so ip route is set using routing info. protocol (rip).

The packets are encapsulated using ppp (point to point protocol).

1BM21CS148

Se2/0 · · · · .1
30.0.0.2 Se3/0
Router-PT
Router1

Se2/0
40.0.0.2

Se2/0
30.0.0.1

Se2/0
20.0.0.2

Fa0/0 Router-PT
Router0

Router-P
Rou Fa0/0

10.0.0.2

Fa0

Fa0

PC-PT
PC0

PC-PT
PC1

10.0.0.1

20.0.0.1

| Physical | Config | Desktop | Programming | Attributes |

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>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=24ms TTL=125
Reply from 20.0.0.1: bytes=32 time=25ms TTL=125
Reply from 20.0.0.1: bytes=32 time=25ms TTL=125

Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 24ms, Maximum = 25ms, Average = 24ms

C:\>
```