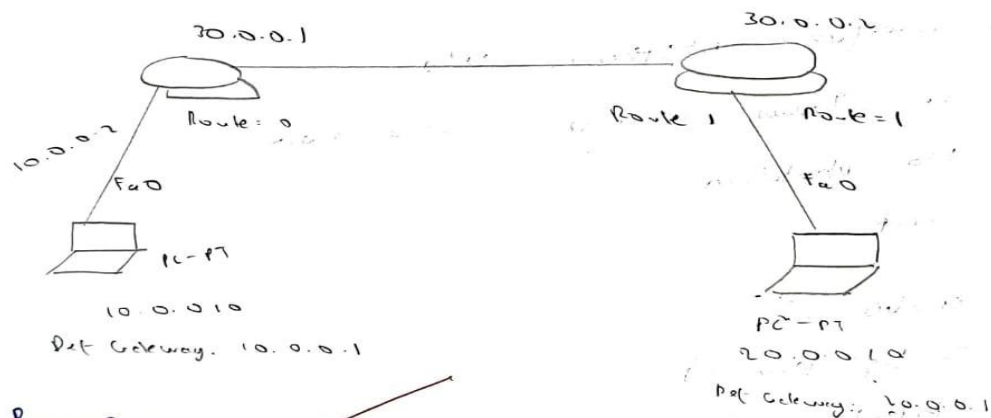# Program 3

Aim: Configure default route, static route to the Router(Part 1).

Topology , Procedure and Observation:

LAB - 03

Aim: To configure IP Address to route in pocket track. Explore following messages respones destination unreachable

Topology:

Procedure:

1) Drag & drop 2 generic router and Drag & drop 2 PC's

2) Connect the router and PC's using copper cross over cable

3) Connect the 2 routers using Serial. DCE wire.

4) Set the gateway as 10.0.0.2 & IP address as 10.0.0.1 to PC1

5) Set the galeway as 20.0.0.2 S.
IP address as. 20.0.0.1 to PC 2

6) Execute the following commands in CCI
PC → ①

→ enable
→ config terminal
→ interface fastethernet 0/0
→ IP address 10.0.0.1 255.0.0.0
→ No shutdown
→ exit.

→ enable
→ config terminal
→ interface fastethernet 1/0
→ IP address 20.0.0.1 255.0.0.0
→ no shut
→ exit.

7) Execute the following command in CCI
exit till u get Router >
S then enable
will get >

C   10.0.0.0/8   is   Directly connected,
     Fast ethernet 0/0.

C   30.0.0.0/8   is   Directly connected,
     Serial 2/0.

① Go to the Router → ①
   & CLI & execute the following commands:
→ # interface serial 2/0.
→ # ip address 30.0.0.1 25.0.0.0
→ No shut.

② Go to router → ②
   & CLI & execute the following commands:
→ interface serial 2/0
→ Ip address 30.0.0.2 255.0.0.0
→ no shut.

Output:

Pinging Different network
from PC ①
Ping 10.0.0.1

Reply from 20.0.0.2 : Destination host
     unreachable.

Ping statistic for 10.0.0.1
Packets : Sent = 4,
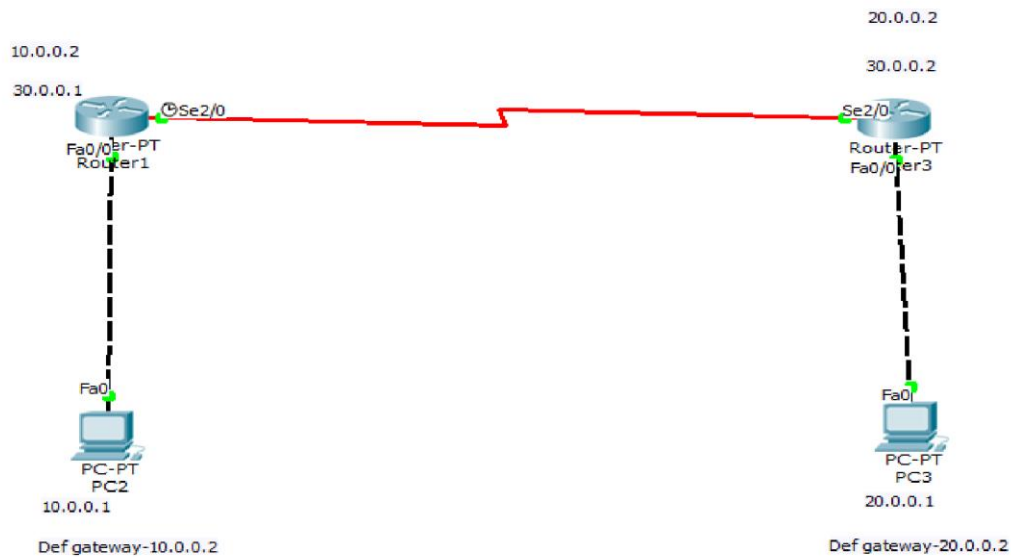   Received = 0
        Lost = 4   (100% lost)

From PC ②

Ping 30 0.0.1
Request time out
Ping statis for 30.0.0.2

Packets : sent = 4, Received = 0, Lost = 4
                (100% lost.

Screen Shots:

10.0.0.2
30.0.0.1

Fa0/0er-PT
Router1

Se2/0

20.0.0.2
30.0.0.2

Se2/0
Router-PT
Fa0/0er3

Fa0

Fa0

PC-PT
PC2
10.0.0.1

PC-PT
PC3
20.0.0.1

Def gateway-10.0.0.2

Def gateway-20.0.0.2

PC2

Physical   Config   Desktop   Custom Interface

Command Prompt   X

```
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.

Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 20.0.0.1

Pinging 20.0.0.1 with 32 bytes of data:

Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.

Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 20.0.0.2

Pinging 20.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.
Reply from 10.0.0.2: Destination host unreachable.

Ping statistics for 20.0.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>
```