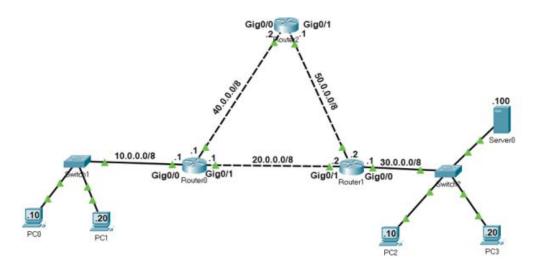
EX.NO:12
STATIC ROUTING CONFIGURATION USING CISCO PACKET TRACER



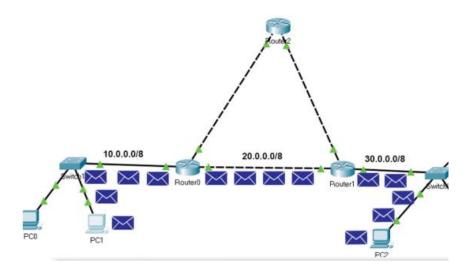


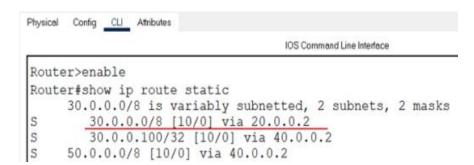


Router(config) #ip route 192.168.2.0 255.255.255.0 gigabitEthernet 0/0 %Default route without gateway, if not a point-to-point interface, may impact performance

Router(config) proute 192.168.1.0 255.255.255.0 gigabitEthernet 0/1 \*Default route without gateway, if not a point-to-point interface, may impact performance

Router > enable
Router # configure terminal
Enter configuration commands, one per line. End with
Router (config) # ip route 10.0.0.0 255.0.0.0 40.0.0.1
Router (config) # ip route 30.0.0.0 255.0.0.0 50.0.0.2
Router (config) # exit
Router # show ip route static
S 10.0.0.0/8 [1/0] via 40.0.0.1
S 30.0.0.0/8 [1/0] via 50.0.0.2





```
C:\>tracert 30.0.0.20

Tracing route to 30.0.0.20 over a maximum of 30 hops:

1 0 ms 0 ms 0 ms 10.0.0.1
2 0 ms 0 ms 20.0.0.2
```

Router>enable

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface fastEthernet 0/0

Router(config-if)#ip address 20.0.0.1 255.0.0.0

Router(config-if)#no shutdown

Router(config-if)#exit

Router(config)#interface serial 0/0/0

Router(config-if)#ip address 192.168.1.245 255.255.255.252

Router(config-if)#no shutdown

Router(config-if)#exit

Router(config)#interface serial 0/0/1

Router(config-if)#ip address 192.168.1.253 255.255.255.252

Router(config-if)#no shutdown

Router(config-if)#exit

Router0(config)#router rip

Router0(config-router)# network 10.0.0.0

Router0(config-router)# network 192.168.1.252

Router0(config-router)# network 192.168.1.248

```
PC>ipconfig
FastEthernet0 Connection: (default port)
Link-local IPv6 Address..... FE80::260:70FF
IP Address..... 20.0.0.2
Subnet Mask..... 255.0.0.0
Default Gateway..... 20.0.0.1
PC>ping 10.0.0.2
Pinging 10.0.0.2 with 32 bytes of data:
Request timed out.
Reply from 10.0.0.2: bytes=32 time=3ms TTL=126
Reply from 10.0.0.2: bytes=32 time=3ms TTL=126
Reply from 10.0.0.2: bytes=32 time=3ms TTL=126
Ping statistics for 10.0.0.2:
   Packets: Sent = 4, Received = 3, Lost = 1 (2
Approximate round trip times in milli-seconds:
   Minimum = 3ms, Maximum = 3ms, Average = 3ms
```