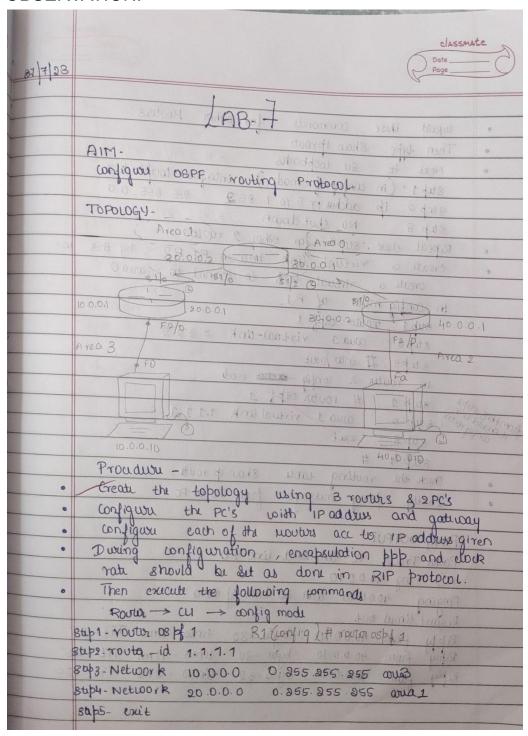
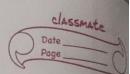
## WEEK 7

Configure OSPF routing protocol.

## **OBSERVATION:**

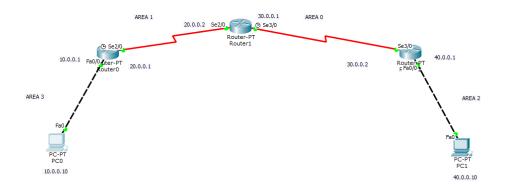




	classmate
	Date Page
	4 3
	suprat these commands for other Houters.
	Then type show iprouts.
•	Next to set loopbacks go to interface \$1/0, & then do to
	8th 1: (in configue mode) interface bookback o
	8th 2: ip addres 17 2.16:1.252 256.255.0.0
	8th 8: No shut down > 258, 254 1,000000000000000000000000000000000000
	Repeat these 8tip8 for other 2 roubs
•	Create a virtual link between R1, R2, by this we
	create a rirtual link to connect to area 0.
	In config mode of R1.
	8thp 1: route 0spf 1
	8tipa: arua 1 virtual-link 2.2.2.2
	8 tz p8; # entur/exit
	in router 2 config - mode
-08	10 8th 1 ! # router 08 pt 1.
on this	ignored 8 top 8: area 1 virtual link 1.1.1.1
15 001	8 tup 8 ! enset.
	8tp 4 : #
•	Chick the routing table, show ip route. would work
•	Lastly bing musages from Pc to Pc 113 110000 .
	souther bas subbergi this explose
As	
3	Packet Tracti PC command-line 1.0
	JPC > Ping 40.0.0.10 1126 20 128 10 114012 dos
	Pinging 40.0.0.10 with 32 bytes of data:
	Request timed out about grand - 410 < 300000
	Riply from 40,0.0.10: bytes = 30 times = 11ms 7.71=125
	Rupy from 40.0.0.10 budie = 29 11000
	Reply from 40.0.0.10 : byth=30 times - onl 501-125
	The see see so o o o o o o o o o o o o o o

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	Pin stabilis a
	Ping statistics for 40.0.0.10:  Packets Sunt = 4 Received = 3, Lost = 1 (95% Logs),  Poproximate round trib time is will something.
	Proximate round trip time in milli-seconds:
	Minimum = 8ms, Maximum = 11ms, Averge = 10ms
0	OBSERVATION:
	OSPF is a link-state vouting protocol that is used to find the but path between sown of authorition router using ite This network is divided into 4 and upon and is the
	own spf Agorithm.
0	This network is divided into 4 areair, whose area is the
	packpone.
0	After we make the virtual-link between the area which is
	not connected to the backbone are , we can ping messages successfully.
	Jen 2/1/23
	N/211

## TOPOLOGY:



## **OUTPUT:**

```
₹ PC0
                                                                             ×
 Physical
          Config
                   Desktop
                             Custom Interface
  Command Prompt
   Packet Tracer PC Command Line 1.0
   PC>ping 40.0.0.10
   Pinging 40.0.0.10 with 32 bytes of data:
   Reply from 10.0.0.1: Destination host unreachable.
   Ping statistics for 40.0.0.10:
        Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
   PC>ping 40.0.0.10
   Pinging 40.0.0.10 with 32 bytes of data:
   Request timed out.
   Reply from 40.0.0.10: bytes=32 time=4ms TTL=125
   Reply from 40.0.0.10: bytes=32 time=6ms TTL=125
   Reply from 40.0.0.10: bytes=32 time=12ms TTL=125
   Ping statistics for 40.0.0.10:
        Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 4ms, Maximum = 12ms, Average = 7ms
   PC>
```

