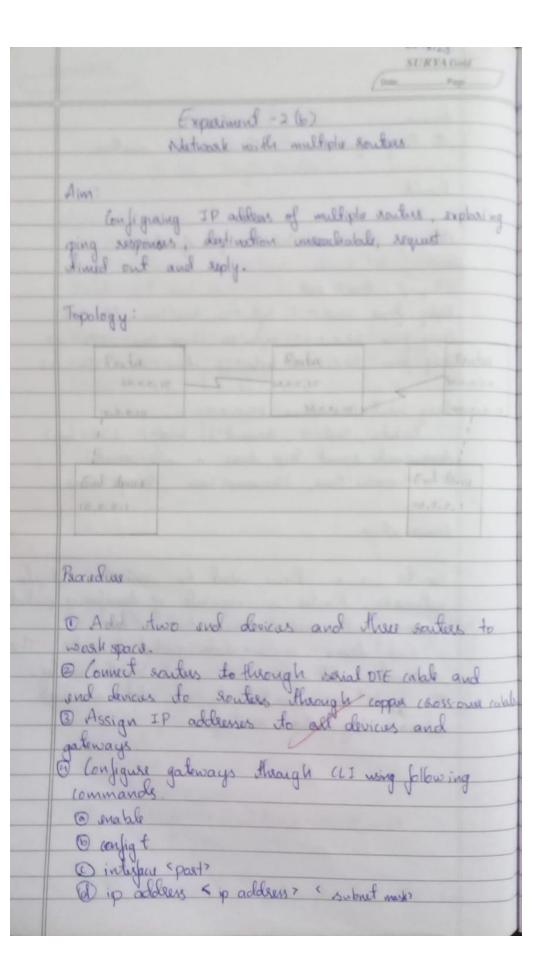
## **EXPERIMENT-2**

Configure IP address to routers in packet tracer. Explore the following messages: ping responses, destination unreachable, request timed out, reply.

## Observation:

	DatePage
Experiment -26 Network connection Single Rowles	using
Aim:  (on figuring IP address do ping sesponses, destination un timed out and septy.	soulers, explare
Topo logy:	
10.0.0.10	and design of the second
20,0.8,10	
91-0	PL-1
10, 0. 0.1	20.0.0.1
Procedure:	
O Connect two end alevices	to a souter through
3 Configure gateways in good using the following commands	de through (LI
© integlace < past>  © integlace < past>  © ip addless < ip addless > < 6	
D suit D PSet the respective gateway	ys in the end

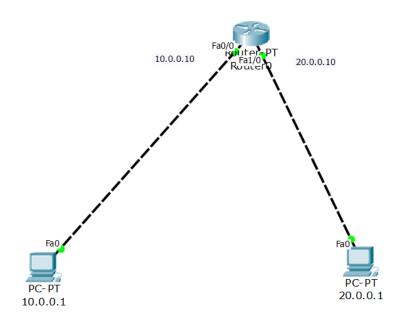
SURYA Gold  DatePage
Levices.  5 Ping from one end uses to another
Resulf:
Pinging 20.0.0.1 with 32 bythes of data:
Reply from 20.0.0.1: bytes=32 time=1ms TTL=127  Reply from 20.0.0.1: bytes=32 time=0ms TTL=127  Reply from 20.0.0.1: bytes=32 time=0ms TTL=127
Ping statistics from 20.0.0.1:  Packets: Sent=4, Recieved=3, Last=1 (25:1 loss),  Approximate sound trip times in milli-seconds:  Minimum=Oms, Maximum=1ms, Average= oms
Observation:
Routes is a device used to connect multiple networks. Routes is capable of transfering packets form from from one network to another.  Find device sends data packet to soutes. The destination IP address is noted by the soutes.  The packet is redirected towards the concerned network by the soutes.
nethousk by the souther.
and the second of the second o

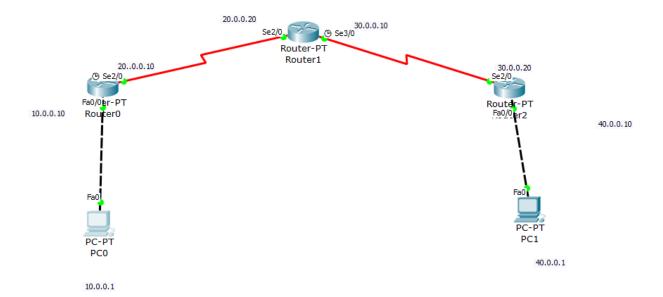


	SURYA Gold DatePage
	0 no strut
	1 exit
	O Vising command ip soute < dutintion > < desouting ip > set path for each souter.  O Ping from one end device to another.
	@ Ping from one end device to another
	Result:
	Pinging 40.0.0.1 with 32 bytes of data:
	Request timed out
	Reply from 40.0.0.1: bytes=32 time=12ms TTL=127
	Reply from 40.0.0.1: bytes=32 time=12mis TTL=12T
	Reply from 40.0.0.1: bytes=32 time= 14ms TTL=127.
	Pina stalistics from 40.0.0.1:
	Ping statistics from 40.0.0.1: Packets: Sent=4 Recieved=3, Lost=1 (251. doss)
	Approximate sound trip times in milli-seconds
	Minimum = 12ms Manimum = 14ms Average = 12ms
	Observation:
FILE	Destination hast Unsea Shable:
	Fax each souter, me need to obline a soute
	Le propose to be moved to different networks.
	Unders rouse is defined, packet will not
	Unders roule is defined, packet will not reach destination. Following result is obtained when gateway isn't set
	when gateman isn't set
	Reply Jeons 10.0.0.10: Destination host unseachable
	Keel 1 10 0-0-10 Listington not under the
	Per la Control I Destruction MIST (MISHON
	Reply from 10.0.0.10: Destination host unseachable.
	John 10.000 10.000

SURYA Gold The above message signifies gateway 10-0-0-10 does not know where to redirect the packet to-Request Lined out: On successful transmission from source to distinction, an acknowledgement is sent from distinction hat to source hast in the form of ICMP packets. If the acknowledgement ICMP message does not reach targue, a Request timed out mesage is shown. It may be due to packet loss, physical issue in the description of incorrect galeway assignment

## Topology:





## Result:

```
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=lms TTL=127
Reply from 20.0.0.1: bytes=32 time=0ms TTL=127
Reply from 20.0.0.1: bytes=32 time=0ms 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 = lms, Average = 0ms

PC>
```

