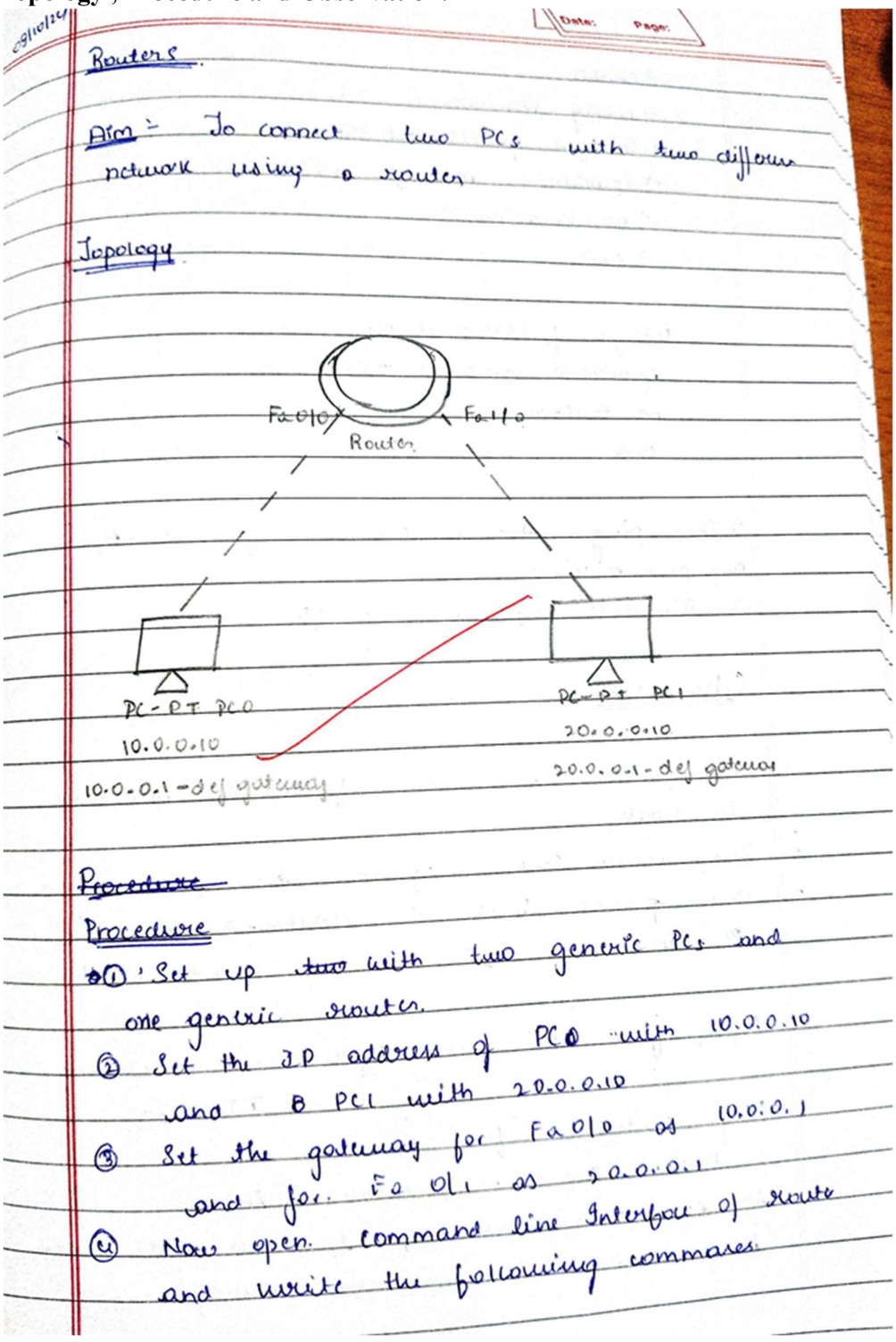
Program 2

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

Topology , Procedure and Observation:



→ enable
→ config terminal
→ interface fastethernet 0/0
→ ip address 10.0.0.1 255.0.0.0
→ no shutdown
→ exit

interface fastEthernet 0/1
ip address 20.0.0.1 255.0.0.0
no shutdown
exit

→ Then ~~ping the~~ in command prompt/ type
Ping 20.0.0.10
→ Stimulate and observe the output

Observation

1. Data packet was sent from PC 10.0.0.10 to router
2. The router sent the packet to PC 20.0.0.10
3. Data packet ball → router → ball → PC 10.0.0.10 and a tick mark is blinked

Reply from 20.0.0.10 bytes = 32 time = 1ms TTL = 127

Ping statistics for 20.0.0.10
Packets sent = 4, received = 4, lost = 0
Approximate round trip time in milli seconds
Minimum = 0ms Maximum = 0ms Average = 0ms

~~C. to.~~
70/
Show ip route command we get the route table as follows.

C 10.0.0.0/8 is directly connected, FastEthernet 0/0
C 20.0.0.0/8 is directly connected, FastEthernet 1/0

Screen Shots: