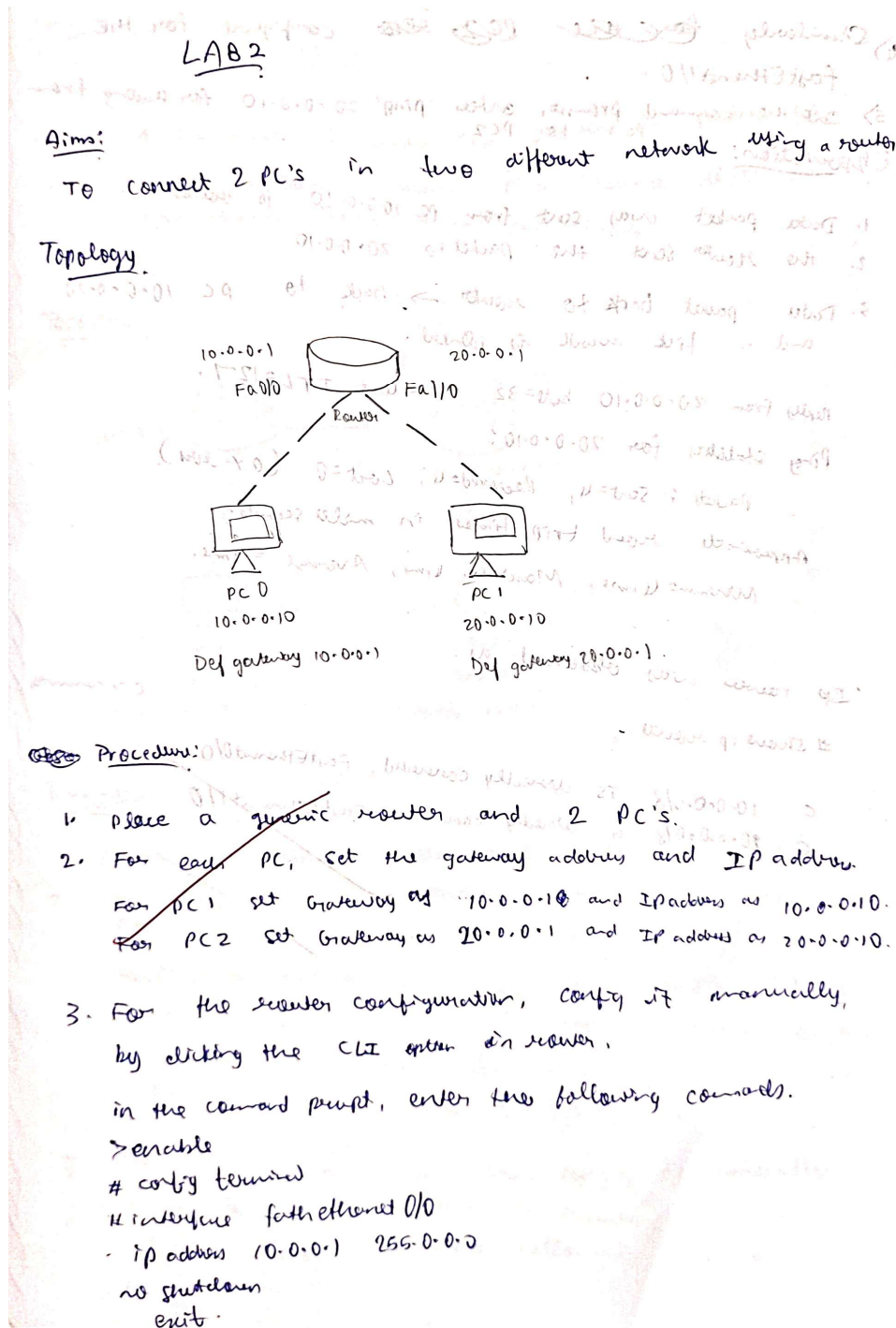


## Program 2

**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:**



4) Similarly ~~for PC~~ ~~PC2~~ ~~also~~ configure for the  
FastEthernet0/0.

5) In the command prompt, enter 'ping' 20.0.0.10 for sending from  
PC1 to PC2.

Observation:

1. Data packet was sent from PC 10.0.0.10 to router.
2. The router sent the packet to 20.0.0.10.
3. Data packet back to router  $\rightarrow$  back to PC 10.0.0.10  
and a tick mark is blinked.

Reply from 20.0.0.10: bytes=32 time=4ms TTL=127.

Ping statistics for 20.0.0.10:

Packets: Sent=4, Received=4, Lost=0 (0% loss).

Approximate round trip times in milliseconds:

Minimum=4ms, Maximum=4ms, Average=4ms.

\*IP router was observed as

# Show ip route

C => console

C 10.0.0.0/8 is directly connected, FastEthernet0/0.

C 20.0.0.0/8 is directly connected, FastEthernet1/0.

## Screen Shots:

