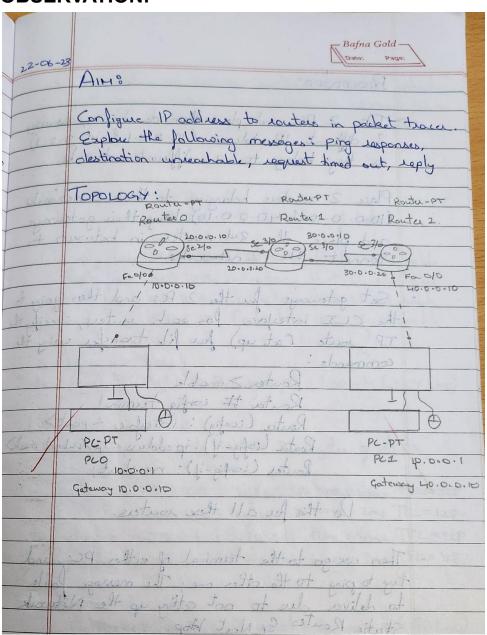
EXPERIMENT 2

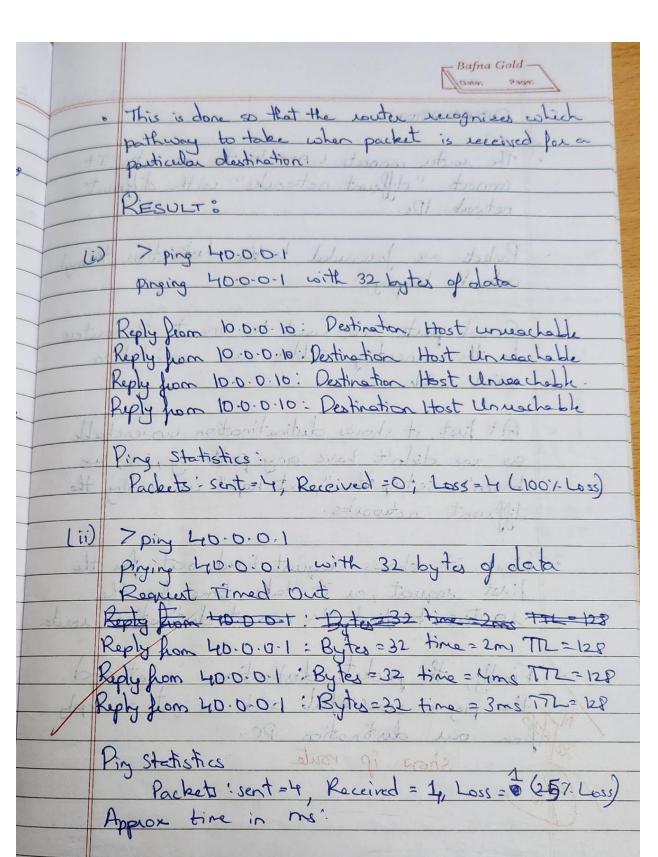
AIM:

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

OBSERVATION:



PROCEDURE: => Take 2 PCs and place them as shown, assuming 2 different IP addresses (10.0.0.1 & 40.0.0.) as they belong to 2 different networks Place 2 voiters belonging to these 2 networks (10.0.0.10 & 40.0.0.10) being their gateways and place the 3rd souter in between to connect the 2 networks. · Set gateways for the 2 PCs and then going to the CLI interface for each routers, specify the IP route (set up) for file transfer miny the commands: Router > enable Router # config terminal
Router (config): interface < port>
Router (config-if): ip address < ip Xenbret mesh Router (config-y): no shut; No this for all these routers. . Then we go to the terminal of either PCs, and try to ping to the other one; The message fails to deliver due to not setting up the Network Static Routes Eg Next Hop. · We again go to CLI of each router and setup the " next hop" wing the command: > ip woute Knothank-id> Knask> Knext-hop? eg: 7 ip route 40.0.0.0 255.0.0.0 20.0.0.20 You route 1)



minimum = 2ms maximum = 4ms average = 3ms

Result:

