**Router configuration and Ping messages**

Aim :- Configuring IP address to Routers in Packet Tracer. Explore the following

messages: Ping Responses, Destination unreachable, Request timed out.

Observation:-

* First when we connect PCs to router we see that the link is down and no message can be sent.
* After configuring PC with default gateway and IP address we can configure the Router.
* To configure the Router we click on the router and we get a tab named CLI, we move to the tab, then we enable the terminal. Then after we configure each of the interfaces with their corresponding IP addresses. Then we type “no shutdown” command and hit enter. We now see that the links are up.
* Then we can use the command prompt of any of the connected PCs to send a ping request to any other PCs connected to the router. We also see that some time the request times out, but we eventually get the confirmation that the device responded.

Outcome:-

* Learnt how to connect and configure router.
* Learnt how to send ping messages.
* Experienced the errors that might occur during configuration and corrected them.