CN - Lab 3

Observations and outcomes

Configuring IP address to routers and exploring the
following messages : ping responses , Destination
unreachable, Request timed out, Reply.

* A Topology was created using three routers and two
  PC's connected to two routers using serial DCE and
  copper cross-over connections.

* Different default gateways were configured for both
  the PC'S.

* A unique IP address was configured for each PC.

* IP address was configured for each interface using CLI.

* Pinging PC1 from PC0 at this stage gave destination host
  unreachable.

* IP routs for each router was viewed using the command
  : Show ip route.

* Static IP route was configured for each router using
  CLI commands.
  IP route destination network subnet mask next stopadd

* Pinging PC0 from PC1 and PC1 from PC0 gave the
  required ping responses delay (reply)

Learning outcomes

* Creating a topology with multiple routers.
* configuring default gateway and ip address.
* configuring ip address for the interfaces
* pinging gives destination host unreachable if the device networks are not directly connected.
* configuring static ip routes
* On configuring the static ip routes, pinging gives the required response.