

## **EXPERIMENT-10B**

**AIM**:-a) Internetworking with routers in CISCO PACKET TRACER simulator. Design and configure a simple internetwork

### **Procedure:**

#### **Step-1(Configuring Router1):**

1. Select the router and Open CLI.
2. Press ENTER to start configuring Router1.
3. Type enable to activate the privileged mode.network using a router.

#### **Step-2(Configuring PCs):**

1. Assign IP Addresses to every PC in the network.
2. Select the PC, Go to the desktop and select IP Configuration and assign an IP address,

Default gateway, Subnet Mask

3. Assign the default gateway of PC0 as 192.168.10.1.
4. Assign the default gateway of PC1 as 192.168.20.1.

#### **Step-3(Connecting PCs with Router):**

1. Connect FastEthernet0 port of PC0 with FastEthernet0/0 port of Router1 using a copper straight-through cable.
2. Connect FastEthernet0 port of PC1 with FastEthernet0/1 port of Router1 using a copper straight-through cable.

### **RESULT:**

**The Internetworking with routers in CISCO PACKET TRACER simulator. Design and configure a simple internetwork has been successfully executed**