Aim

Internet working with routers in cisco packet tracer stimulator.

Procedure

⊙ Step 1
→ select the router and open cli
→ press ENTER to start Configuring Router
→ Type enable to activate to privilaged lea

Step 2
→ Assign IP Adresses to every pc in the network
→ select the pc Go to the desktop an Select IP Configuration and assign an IP adres default Gateway, subnet mask.

Step 3
→ Connect fast ethernet 0/0 to prt o P10 using copper straight through curve cable
→ connect fast ethernet to 0/1 to port of pc1 using copper straight through cable.

PC Configuration table.

Device	Ip adress	Subnet mask	Gateway
PC0	192.168.10.2	255.255.255.0	192.168.10.1
PC1	192.168.20.2	255.255.255.0	192.168.20.1

Sending a PDU from pc0 to pc1

b) Design and configure an internet work using wireless router DHCP Server and internet cloud.

part 1 : Build a simple network in logical Topology
    Step 1 : Launch packet tracer
    Step 2 : Build topology.

        ⓐ Add network devices to the workspace
        ⓑ change display names of the network
devices
        ⓒ Add the physical cabling between devices

part 2   Configure the network devices.
    Step 1 : Configure the wireless router
    Step 2 : Configure the laptop
    Step 3 : Configure the P.C
    Step 4 : Configure the internet cloud.
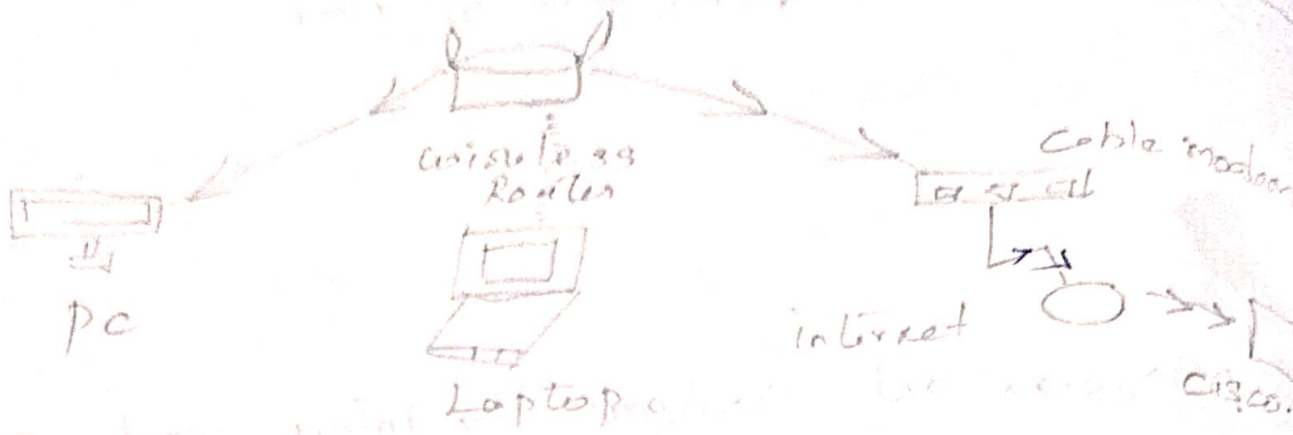   Step 5 : Configure the cisco.com Server

part 3 Verify Connectivity

        Step 1 - Redress the IPVC settings on the PC.
            a) Verify pc is receiving IPV4
            b) Test connectivity to the cisco.com
        Server from the pc.

console as Router — PC — Laptop — Internet — Cable modem — cisco

Student Observation

1. Write down the key features of configure wireless router and DHCP server.

Wireless Router Configuration features.

1. DHCP Server Control
2. Network Address Translation
3. Administration Security.

DHCP features.

1. IP Address pool
2. Default Gateway

2. Significance of DHCP Server in Internetworking.

The DHCP Server is a fundamental and critical component in modern internetwork due its role in decision making.

Result

Thus internetworking with cisco packet Tracer has been executed Successfully.