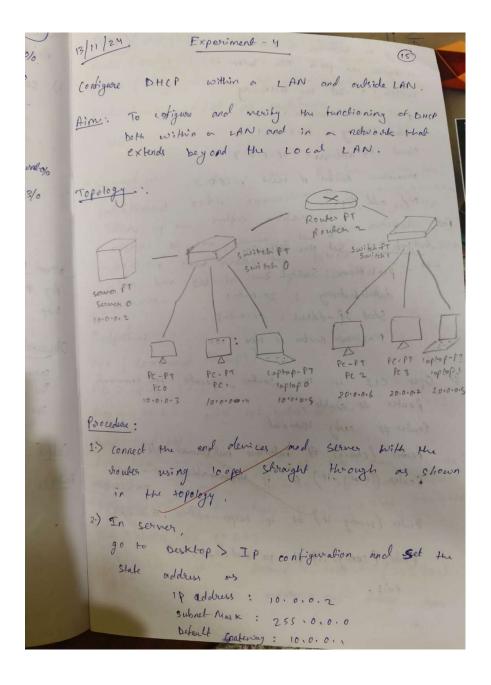
Program 5

Aim: Configure DHCP within a LAN and outside LAN.

Topology, **Procedure and Observation:**



Then go to services > DHCP configure the pools like below. switch 1: Set the following pool name: switch 1 default trableway: 10.0.0.1 Start 17 addresse: 10.0.0.3 maximum number of users : 100 and add this. Fos, Switch 2: Set the following pool Name: Switch 2 defult trateray : 20.0.0.1 Start If address: 20.0.0.3 Maximum number of users: 100 3) Open CLI in the hower execute the commands Router # enable, Ronker # config terminal Router (contig) # interface fast Ethernel 0/0 Router (Correting -it) # ip producess 10.0-0.1 Router (constig-it) # ip helper-adoleuss 10.0.0.2. Router (config- : t) # - no shut down. exit.

Routes (contig) # interface fast Ethered 1/0 Router (config-it) I ip address 20.0.0.1 255.0.0. Router (ronfig - if) # ip helper -address 10.0.0.2 Router (config - if) # no shubdown exit. Observation: Set up un Router with the fast Ethernet cable connected to the two switches Setting of the nelper address which is the IP address of the somer, the other network 20.0.0.0 could access the DHCP service which has been set in the pool service in the surver. Output ; PCO: [commond Prompt] PC > ping 20.0.0.7 finging 20.0.0.7 with 32 bytes of dala Request timed out. Refly from 20.0.0.7 : tyle = 32 fine = oms TTL-127 Reply from 20.000.7: byte - 32 time = 0 ms 772-127 hefly from 20.0.0.7 byte = 32 rime = 2 ms TTL=12 Ping Statistics for 20.0.0.7 (25% 1055) Minimum: one, Maximum: 2ms, Average: oms

Screen Shots:

