2) Select the PC, yo to the desktop and select ip ionfiguration s amgu an it address.

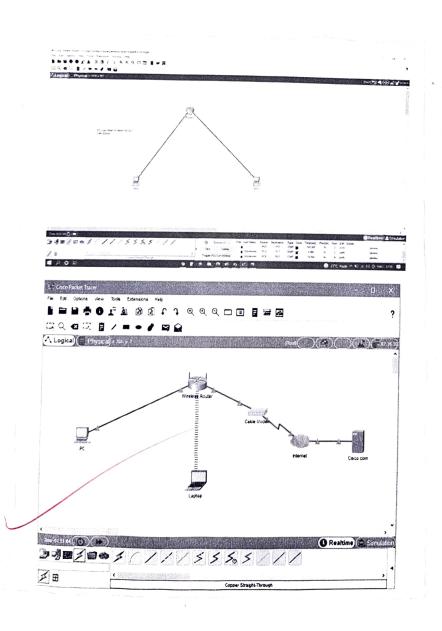
AIM :-

etep 2 :-

3) Amon the defaut gateway of PCO as 1921168:101) A) Assign the defaut gatew ory of PCI & 192: 168.20, 1

1) connect fast Ethernet () port of Pco wdh fast Ethernet 0/0 port of Router 1 using a copper straight - through cable.

2) Connect tast Ethernet () port of PCI with fast Ethernet O/I port of Routers using a copper straight - through cable.



and configure an internet and internet . (b) AIM:-Design wireless the Logical loud. a suiple Network in Topology Workspare Build istep! :-Kannch Packet Traces. Build the topology. a) Add networks devices to the workspore. Using the Levice relection box, add the actions devices to the workspace as shown in the topology. (b) Urange display names of the network To change the display names of the vetwork devices elick on the device iron on the Parket Tracer Logical workspace, then diek on the ronfig tab un the device configuration.

Lonfique the Network Devices. loufigure me wireless rocitei. a) create the wineless network on the wirlen router. thek on the wireless Router icon on the Parket Tracer Logical work shop space to open the device configuration window. In the wireless router configuration window, lick on the GUI tab to view configurat (b) click on the save settings tab (a) Configure the daptop to arien the wirden network. click on the Laptop won on the Parpet Tracer Logical workspace and in the taptop configuration windows reliet the Physical tab.

3. Configurie the PC: Configure the PC for the wired victions Click on the PC ceon on the Pack ex Tracer Logical workspace & select the Desktop tab and then the IP configuration icon Click on the command Prompt icon Verify that pc has received an 1Pr4 address by oning the ip config all command from the command prompt. 4. Configure the internet closed: (a) Install network moderles if necessary click on the Internst cloud room on the Packet Tracer Logical work
space & then click on the
Physical tab. (b) Identify the From 4 to poits. Click on the config tab is The cloud device window

(5) Configure the www.com surver: (a) Configure the lise com server as a DHCP surver. thick on the Cisco com seever icon on the Parket Tracer Logical workspace x relevt the services tab (b) configure the Cisco com seever as a ANS seever to provide domain name to IPv4 addresses resolution (c) Configure the lise con ver ylobal Scheck the config tab. Chik on settings in left paine. (d) Click on Fast Ethernet in left paine of the config tab. Configure the Fast Ethernet interface settings of the server as follows Select static under 112 config -) 1P add dels: 208-67-220-220-7 Subnet Mark: 255.255.255.0

3. L STUDENT OBSERVATION: (1) write down the key features of configurations of configurations of configurations and DHCP server. To Wireless Router Configuration

D Provides both wired and wireless comments. for devices -> Supports SSID: to identify the wirely, ( network. Allows bandwidth control and device management. 4. DHCP server configuration: (a) Automatically arright is addresses, c subject mask, default gateway and DNS server to hosts Reduces manual IP configuration mon F >> Supports lease duration and reservation for especific devices. (+ for especific devices.

2) What is the significance of AHCF server un internet working? -> The DHCP server is unicial in internet working because it: . Automatically amojus unique IP addresses to each device in the network. · Réduces administrative workload by avoiding manual configuration. 18 conflicts between devices centralized control of network · Prevents · Ensures addressing 3) Duign and vonfigure an inter-network ni your lab using switch, router a Ethernet cables. Draw x label the disign en your notebrook. Also, show the ip address configuration of each and every device. [interet] :192.168.1.1) [Router] (gateway [Bwi+ch 1 Hub].

[192.168.1.10) (192.168-1.11) (192.168 sulmet Mesk: 255.258.255.0 Default Gateway: DNS: 8.8.8

sen... 1 router connects to Provider gateway aum Pas within the KAN Ethernet cables are used to connect the devier physically. The priep server amogus 18 addresses automatically to all Pes luut: Thus the above experiment is executed Successfully.