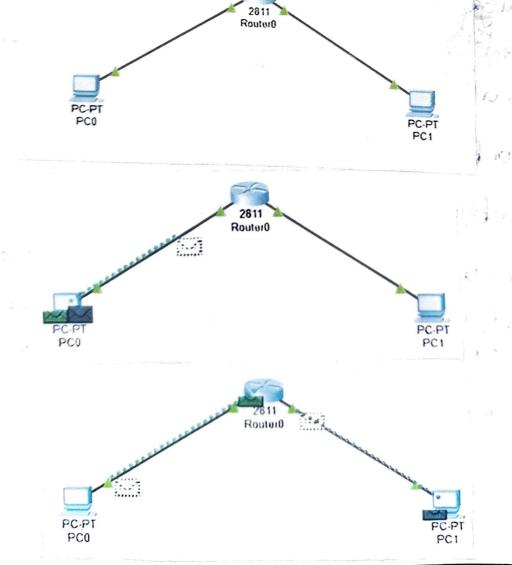
3/9/25 Inter retworking with routers in CPT simulator Design and configure as simple internetworking using a router. a router. Judens Observation; In this network, a router and 2 peg are used. copper stright through cable. Producture ; as rot privalle o 225 225 28 p drom by Step 1: Configure Router 1): 1. Select the router and OPEN CLIMANDER & sections 2. Press Enter to start configuring Rouler, 3. Type enable to activate the priviledged made Step-2 (configuring pes), workstands bijuges. 1. Assign DP addresses to every Pe in the network 2. Go to destatop and select 2P config and 2P address 2. Assign the default galaway of PCO as 192.168.10.1 4. Assign the default galaway of PCI as 192.168.20.1 Step 3 Connecting PC& with Router): 1. Connect fastEthernetes port of PCO with tast Ethernet of port of IRI vering copper cable 2. Similarly do the same for port of PCI

Router Cor	figure table	~ Juntament		apole
Perice Name	DP adolrers Fast Etholo	subject maste	2Poddrewe theoli	Subnetties
Routeri	192.168.10.4	2 55.155.255.0	192.168.20.1	255.255255

PC configuration, Table:

		X-1 Y-1	
Device hame	l Paddress	Subnet Masle 27	Grateway
Pco	192-168.10.2	285,256.255.0	192168.100
PCI	192.168.20.2	25 5.255.255.0	192.168.201



219125 Practical - 10 (46) . supition 1000 Aim:
Design a configure internetwork using wirdle,
router, DHCP server and internet cloud in the togical Topdon Part 1: Build a simple retwork purce name IP address morlespace dans tendes 5.01.831.6191 1009 Step 1: Lauch Packet Tracer dtep2: Build the topology. 109 192.168.202 a Add network devices to workespace b. Change display names of the network devices c. Add the physical cabling between devices on the workplaces. part 2: Configure the network derices. Step 1: configure the wireless router. a create the wireless network on the wireless touter configure the internet connection on the winders. router; cucle-set tab in the wireless au 1 b- chale on the save settings tab

Step 2: configure the laptop: Danies ylow 8 2 2091 a . Configure the taptop to aceres, the wireless hetworks.

b. chicle on the peshtop tab at the top and select the pc wineles icon. Step 8: Configure the PC a configure the PC for the wired network. Otep 4: configure the Internet cloud. a Phstall moduler of neccessary

b. Dobnby the type of provider e. Odentify the type of from & to ports. Step 5: Configure the Cisco. com Server a Configure the Cis, co server as a DHCP server b. Configure the cisco com server as a DNIS. server to provide domain name to 2p v4 address resolution. colonfigure the eisco com server alabal settings d. Configure the Cisco.com server Fast Ethernells

Bealt. Thus the viendesshing was rentoined buccostally

Interface sellings

Part 3: varify Connectivity! Step 1: Refresh the IR4 belfings on the pe a verify that the PC is receiving 2PV4 configuration information from DHCP b. Pest connectivity to choo com server from Student Observation: 29 est supplies 1. key features of configuring a wireless router and DHCP server DHCP server configuration. 2 Significance of DHCP in internetworking. - Eliminates manuals configuration. - Prevents IP address conflicts of supplied o - Enables Scability & Mobility, B. Design of tab unter-neternation PCO4 Thus the internetworking was performed successfully.