	Page
	Experiment - 4
	and lateral
9.	Configure DHCP within a LAN and outside LAN
	to her with the start of add a marting that he
- protected	Aim: Demonstrate DHCP within & outside LAN
	Router PT Router O
	Fa 0/0 Fa 1/0
- 11	Stuble PT Fa311
300	Facility Switch-O Switch 1
A	Fall Fall PC-PT
	Faul Fall PC3
Server-PT	Fa 0 20.0.0.4
10.0.0.2	Fad Fad Laptop-PT Laptop1
del Grateriay:	Fa0 20.0.0.5
10.0.0.1	PC-PT PC-PT Laptop-PT
	10.0.0.1 10.0.0.3 Laptop O Laptop-PT
	Laptop 2 20:0.0.3
	Principal to 0.0.0.0 mith as huter of data
3000000	Topology:
3	Christyanitas e retuite 0100 0 annakundas en
	Switch O connected to RouterO interface Fa 0/0
	using copper straight - through cable from
	Eth 6/1. 1010000 All mitritata ania
/	Page Con Page And
¥ 2.	PCD, PCI, PC2 connected to switcho via copper
	straight - through with IP address - 10.00.1,
	10.0.0.3, 10.0.0.4 Mesp
2	Server O connected to sweetch o with it
	address 10.0.0.2.
	38 000 MM
4.	PC3, PC4, PC5 connected to switch with Up
	address 20001, 20005 20003 Mess

	Date// Page
5.	switch! connected to nouter o interface Fallo using copper straight through cable from Fa311.
	Procedure:
	and the position and the same that the
- li-	open cisco pecket tracer and drag the polaring components:
-	Router: Place I nouter in the middle
	Switch: connect two switches to router o
	Pc: Take 3 Pcs and connect it to switch 0 &
_	another 3 pcs to switch!
	Server: Place one server & connect it to the
_	switch via copple & copple straight-
_	therough cable.
	off at anothering the primary returns
	Configure somer O by dicking on the somer &
	Set IP address as 10.0.0.2,
	Subject mask as 255.0.0.0,
1	Del gateway as 10.0.0.1
	The state of the s
2/.	In DHCP services, config switch o with
1	Pool Name - Switch 1
19	De Start ip address - 10.0.0.0
	Del gateway - 0.0.0.0
	Subnet Mask - 255.0.0.0
	of the 12 rotud of with 2000 of particular
,	In DHCP services add switch config with
4.	pool Name - switch 2
77	start ip address - 10.0.0.3
177	Def gateway - 10.0.0.1
17.7	Subnet Mask - 255.0.D.O

set the ip configuration of all PC's to DHCP du to which each PC attains its if address, subne mask & default Gateway. 6. Configure Router O by clicking on the nouter and selecting CLI Assign IP addresses to the nouter interprete Router > enable Router # config terminal Router (config) # interface ja 0/0 Router (config) # ip address 10.0.0.1 255.0.0.0 Router (config) # ip helper-address 10.0.0.2 Router (config) # no shut Router (config) # interface ja 1/0 Router (config) # ip address 20.0.0.1 255.0.0.0 Router (conjig)# ip helper - address 10.0.0.2 Router (config)# no shut Router # enit Observation: If config & cabling are correct, you will receive successful ping replies blu two Pcs PC> ping 10.0.0.3 Pinging 10.0.0.3 with 32 bytes of data Reply from 10.0.0.3: bytes = 32 time = 1ms TTL=120 Reply from 10.0.0.3: bytes=32 time=0m TTL=120 Reply from 10.0.0.3: bytes = 32 time = ons TTLIB

Reply from 10.0.0.3: / bytes = 32 time = 2ms ITLIE