Aim:

a) Interacting with nowell in cisco pay TEACER simulator.

Design and configuele a simple internety using a router In this network, a router and 2 Pc's are used computers are connecting with routers using a copper straight through cable. After forming the Network, to check network connectivity a simple PDU is transferred from PCO-toPcI.

Proceduse:

student essectives step 1 (configuring Router 1):

- 1. Select the louter and open CLI
- 2. Press ENTER to start configuration Routel 1.
- mode.

 Man Lianzino PC'S)

Steps (configuring PC'S)

- 1. Assign IP Addless to every Pc in the network
- 2. Select the PC, 90 to the desktop and select ip configuration and assign an IP address, délault gateway,
- subnet Mask. 3. Arign the default galeway of PCO as 192.168.10.1

4. Arign the default gateway, of PCI as

Step-3 (connecting PC's with louters):

- 1. connect Fast Ethernet 0 port of PCO with FastEthernet 010. port of router 1 using a copper straight through cable.
- 2. connect Fast Ethernet o port of PCI with Fast Ethernet of port of coulcil using a copper straight - through cable.

Router configuration Table:

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Device Name	ipadduls Fast ethernetolo	2000	ip addiess Fast ethernet Oli	nark
Routeri	192-168-10-1	255.255.258.0	193.168.20.1	255.255-255.0

Pc configuration table.

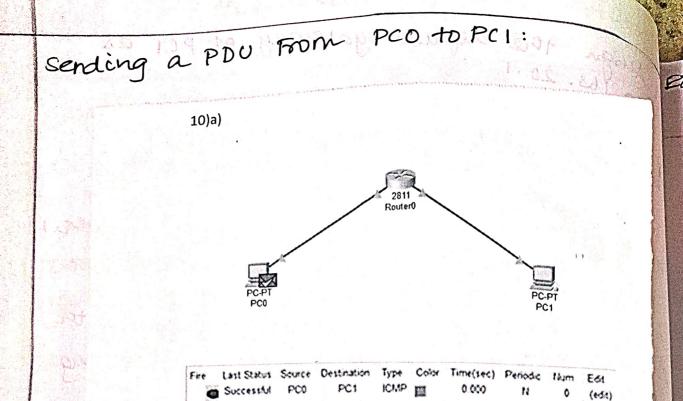
Perio	ipaddxess	sundmask	gateway
Name Pc0	192.168-10.2	255-255,255.6	192.168.10.1
PCI	198.168.20.2	255.255.255.0	192.168.20.1

Designed Network Topology:

simulated of designed Network Topology

The national was averaged as the contract in the property of actions of setting the contraction setting to

different and beautiful



PC1

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0.000

configuration

(edd)

acknowledgement from PCI to PCO:

TONOLE:

Successful PCO

Shook Topolding Works to the form

Result:

The network was successfully interiornected using nouters in cisco Packet tracer, enabling communication between different networks.