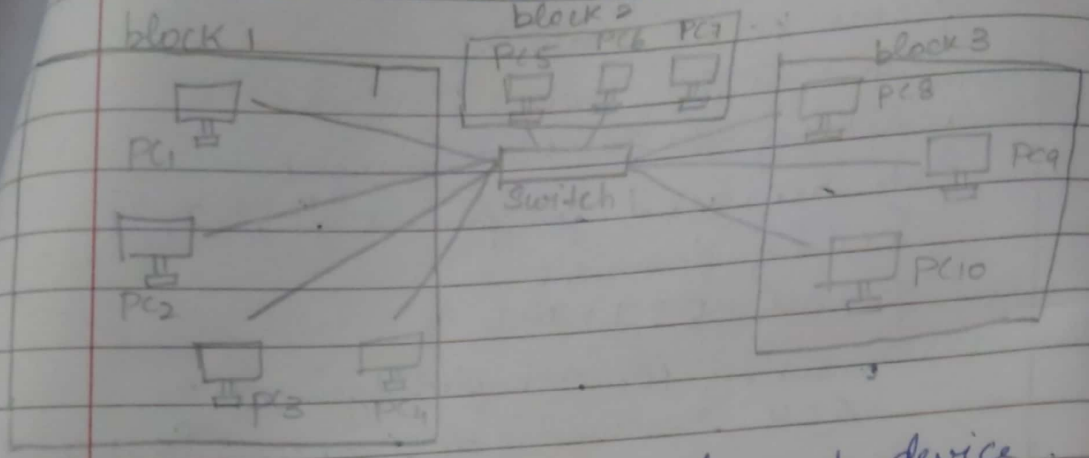
Page No.
Date / /

practical - 8

Aim : a) simulate virtual lan configuation using cisco packet tracer simulation

a) Draw and label the VLAN for



b) Show the ip configuation for each device.

Device	IP Address	Subnet mask	Default Gateway
PC1	192.168.20.2	255.255.255.0	192.168.20.1
PC2	192.168.20.3	255.255.255.0	192.168.20.1
PC3	192.168.20.4	255.255.255.0	192.168.20.1
PC4	192.168.20.5	255.255.255.0	192.168.20.1
PC5	192.168.20.6	255.255.255.0	192.168.20.1
PC6	192.168.20.7	255.255.255.0	192.168.20.1
PC7	192.168.20.8	255.255.255.0	192.168.20.1
PC8	192.168.20.9	255.255.255.0	192.168.20.1
PC9	192.168.20.10	255.255.255.0	192.168.20.1
PC10	192.168.20.11	255.255.255.0	192.168.20.1

c) Write the commands used for VLAN configuation in switch.

Switch > enable

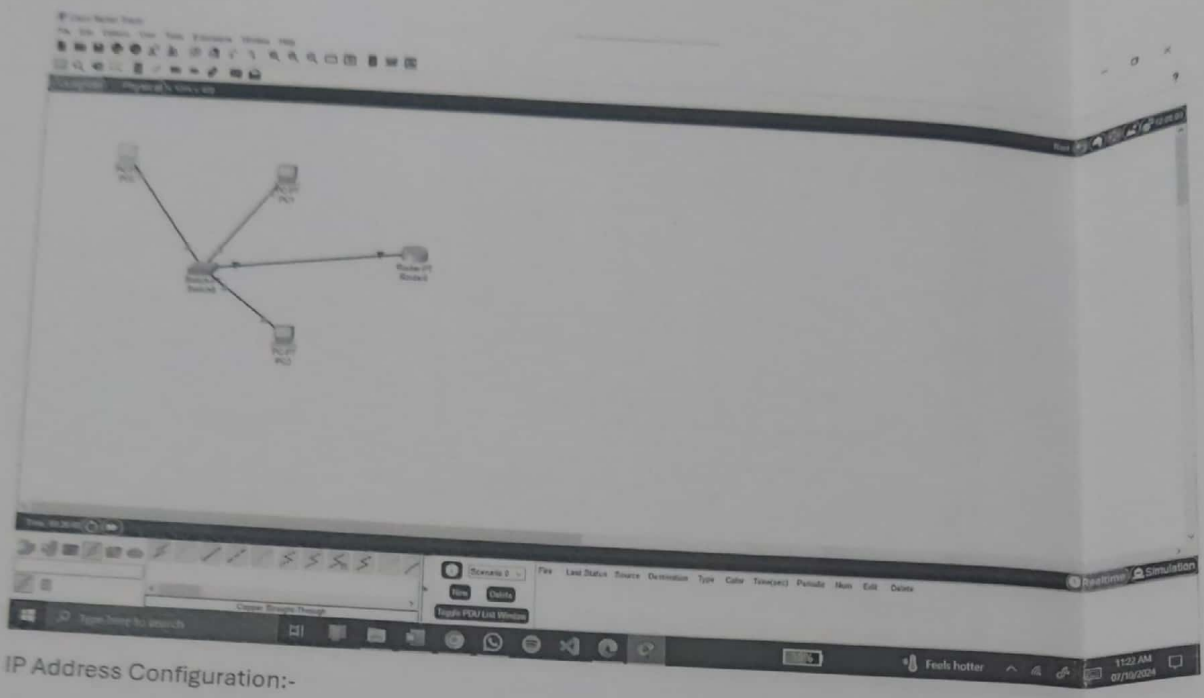
Switch # configure terminal

Switch (config) # vlan 10

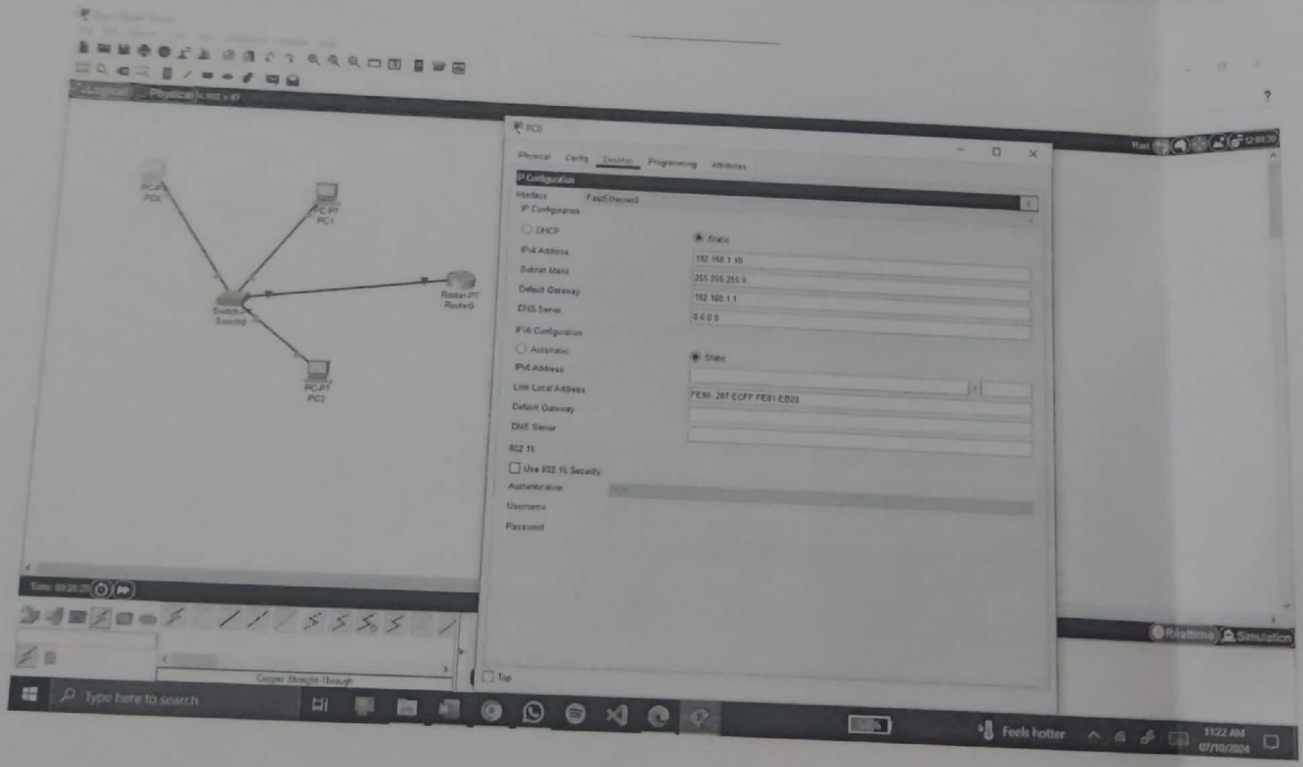
Switch (config-vlan) # name Robotics

Switch (config-vlan) # exit

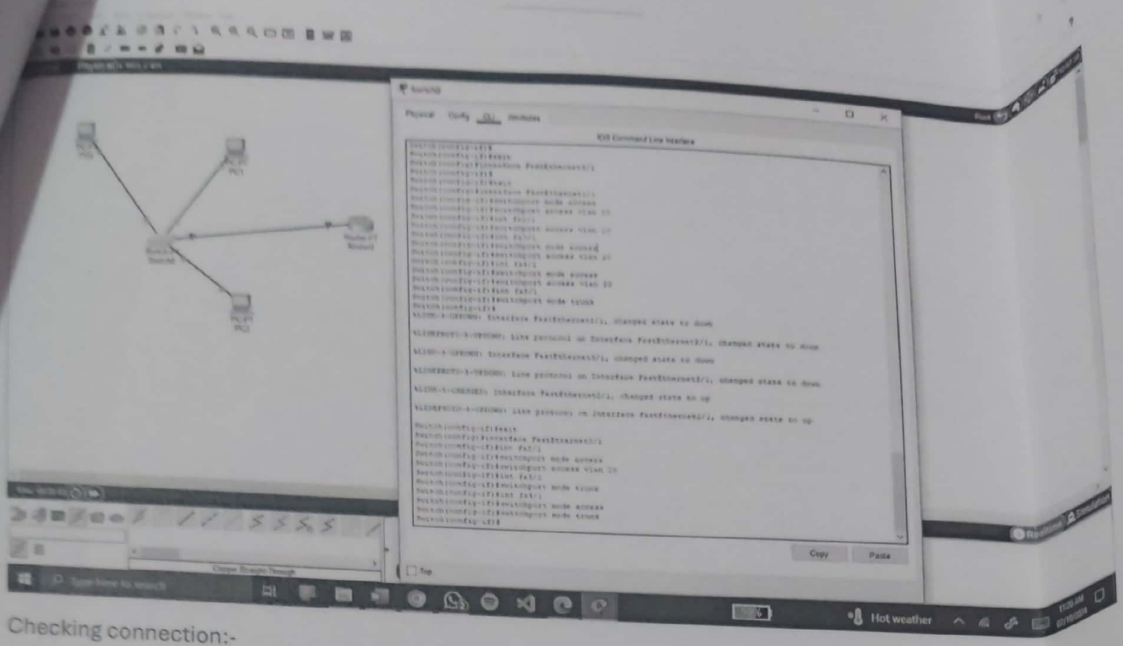
Topology:-



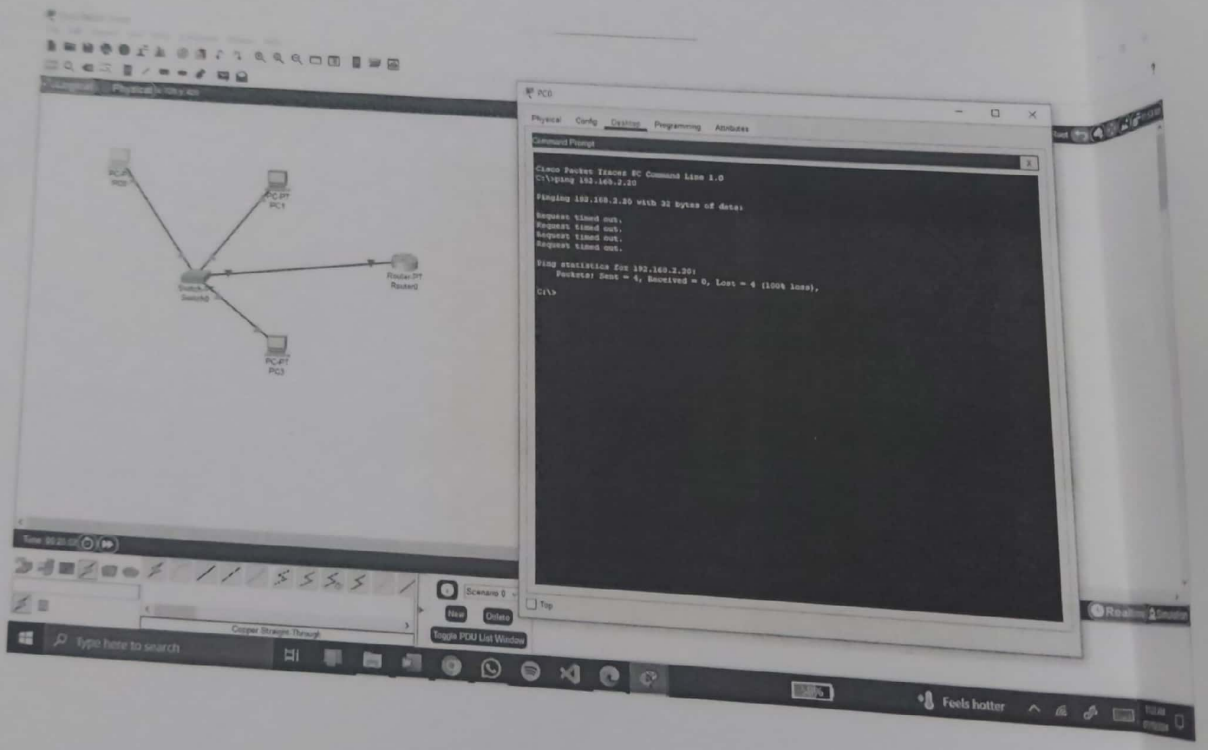
IP Address Configuration:-



Configuration:-

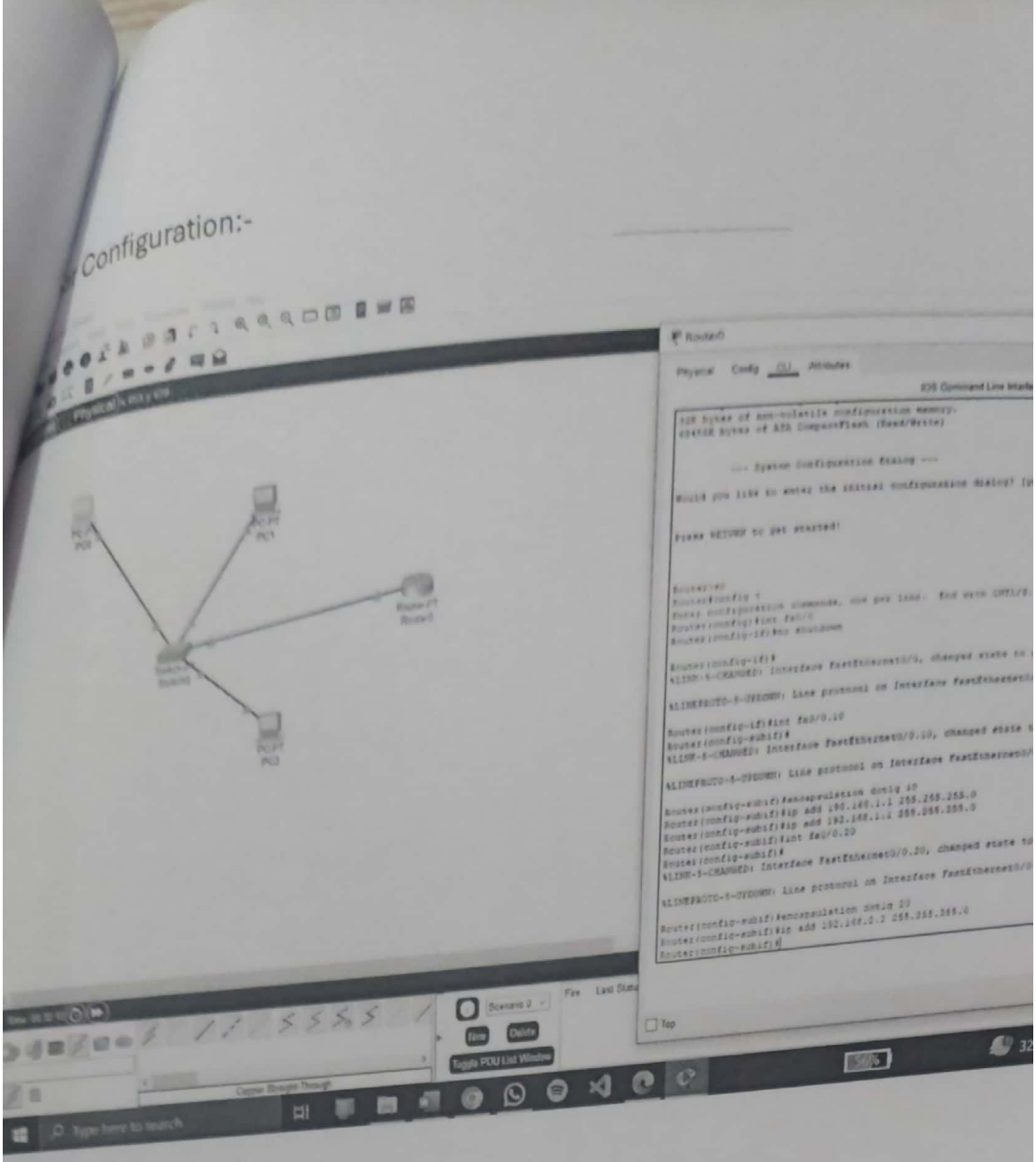


Checking connection:-

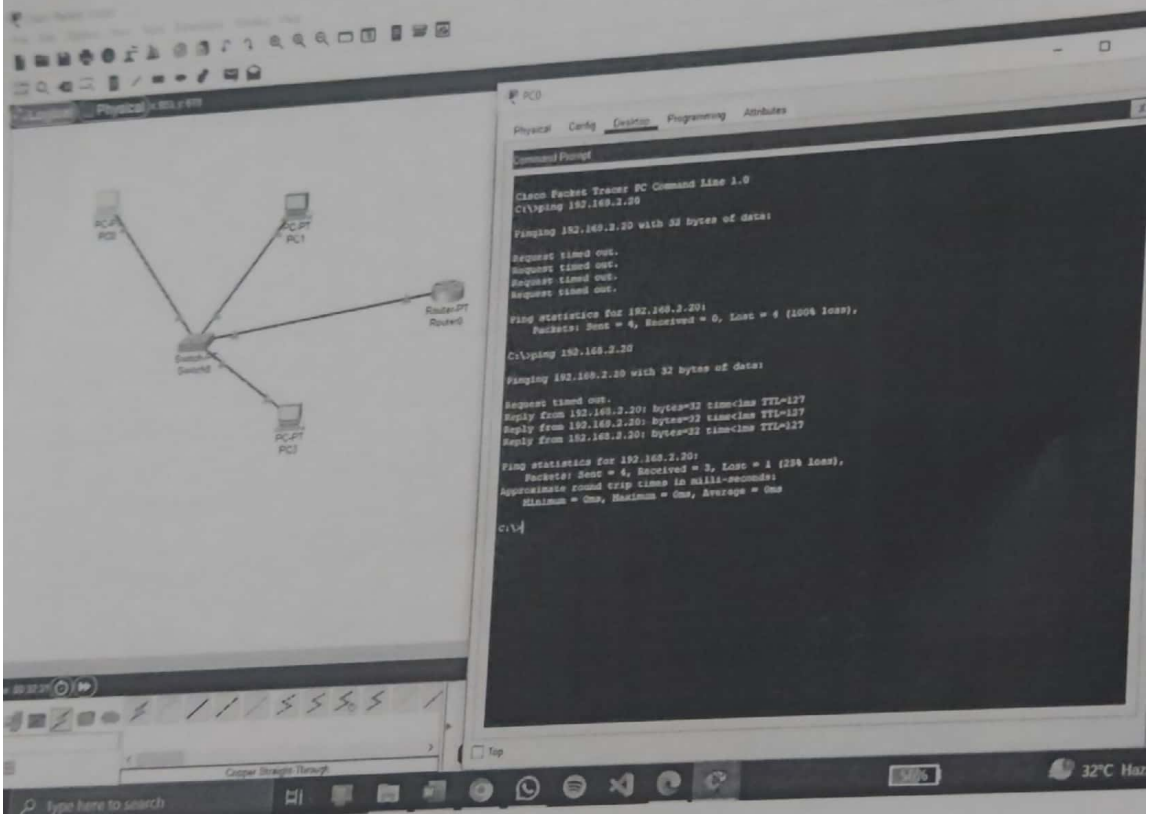


Switch Config

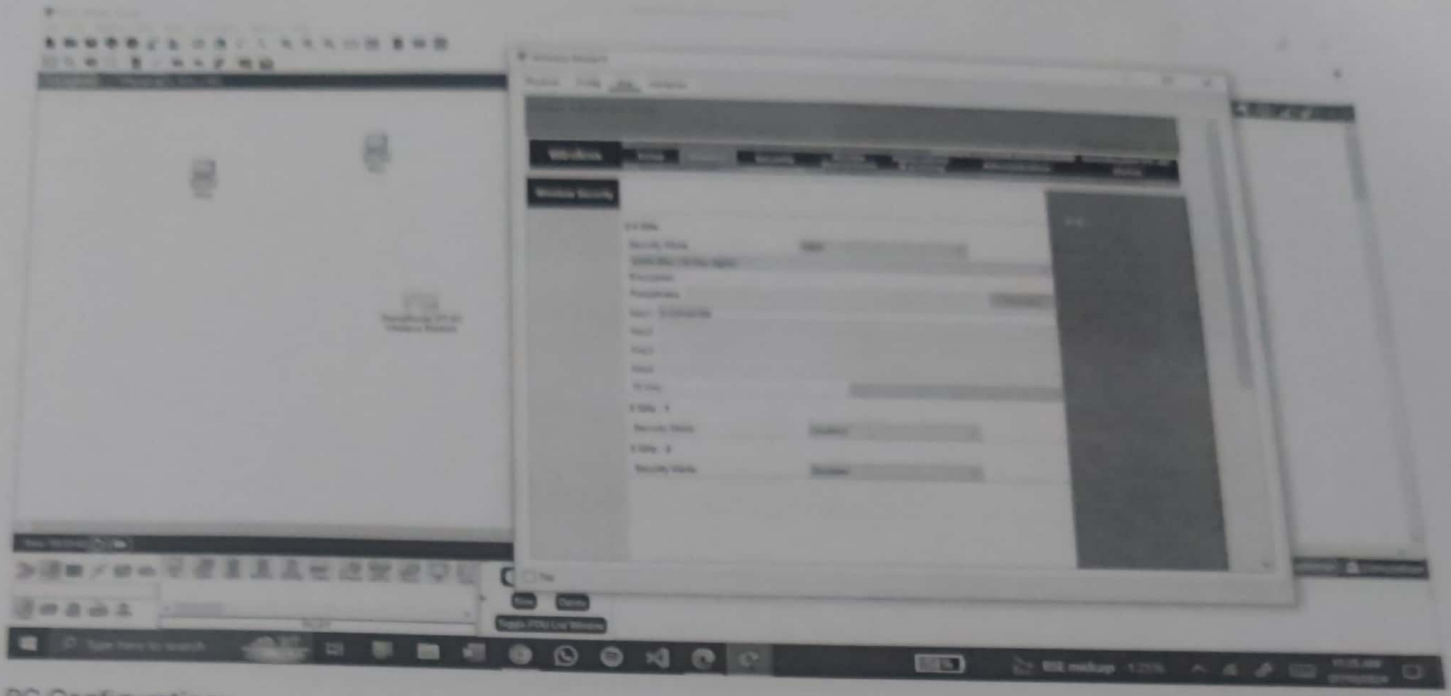
Configuration:-



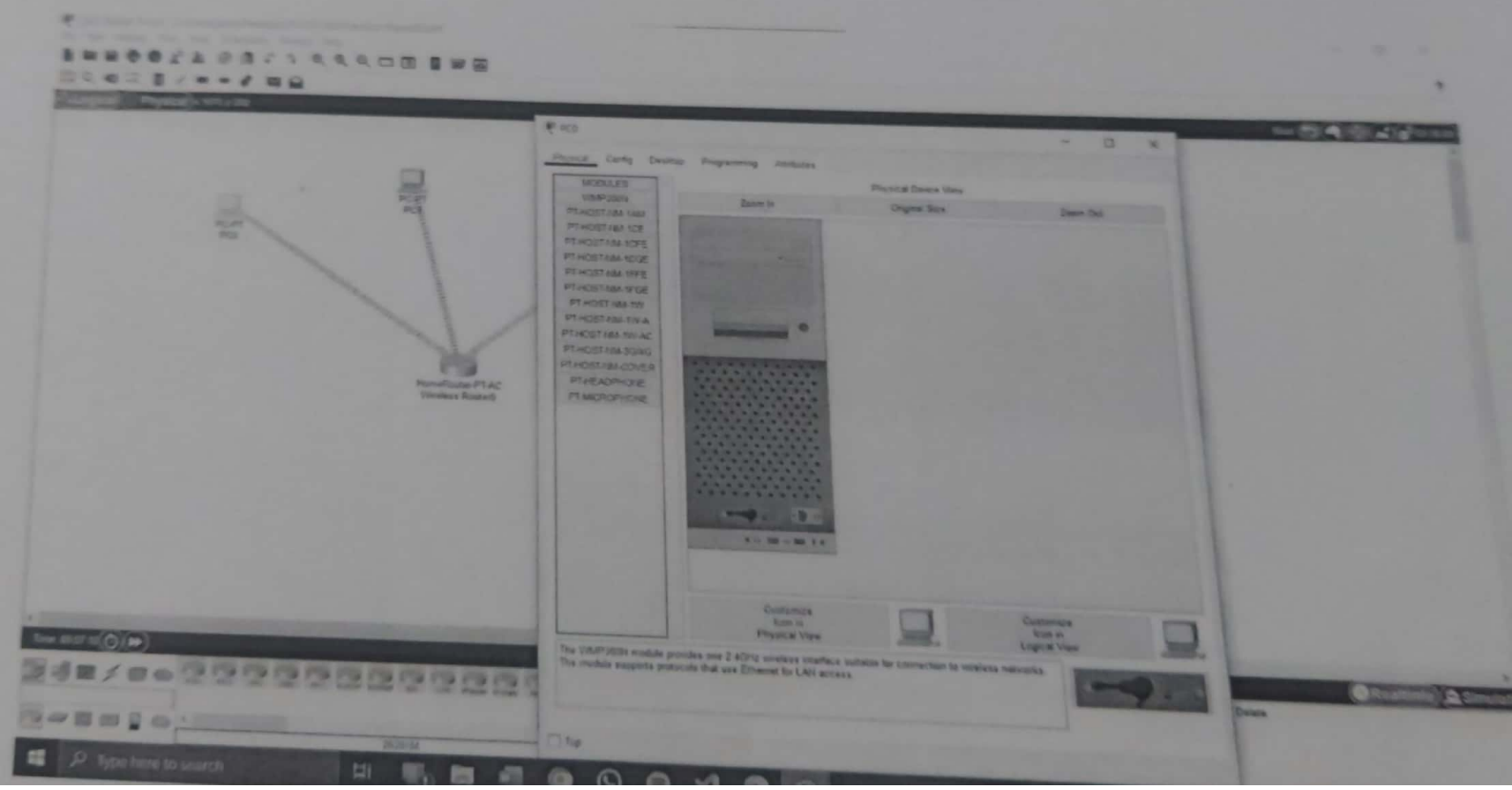
Checking connection:-



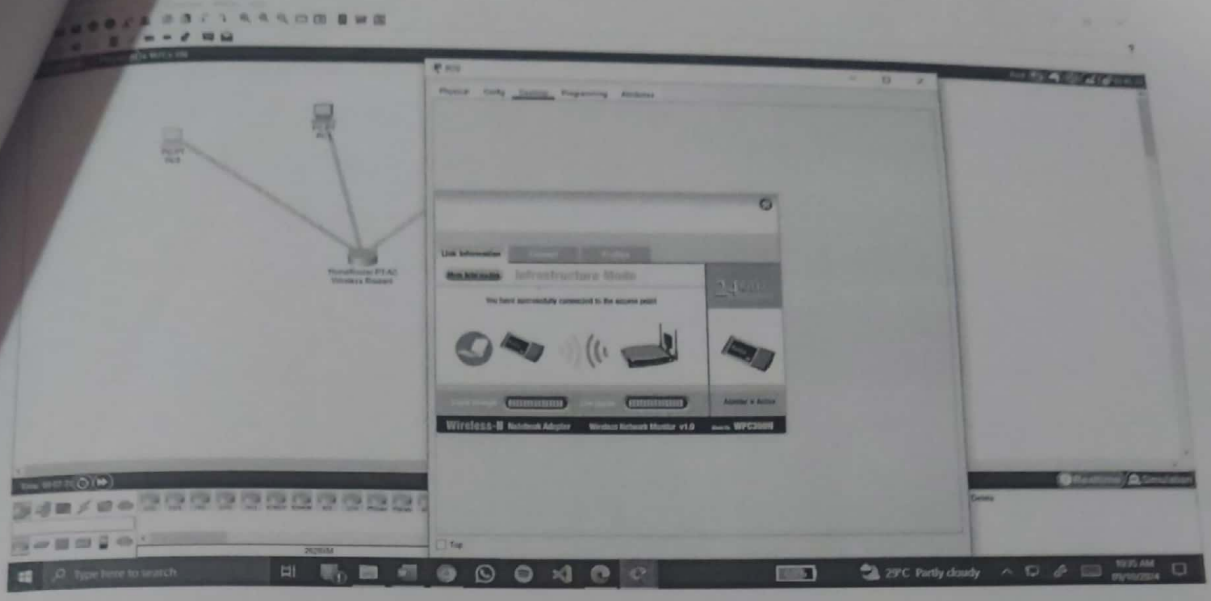
Router Configuration:-



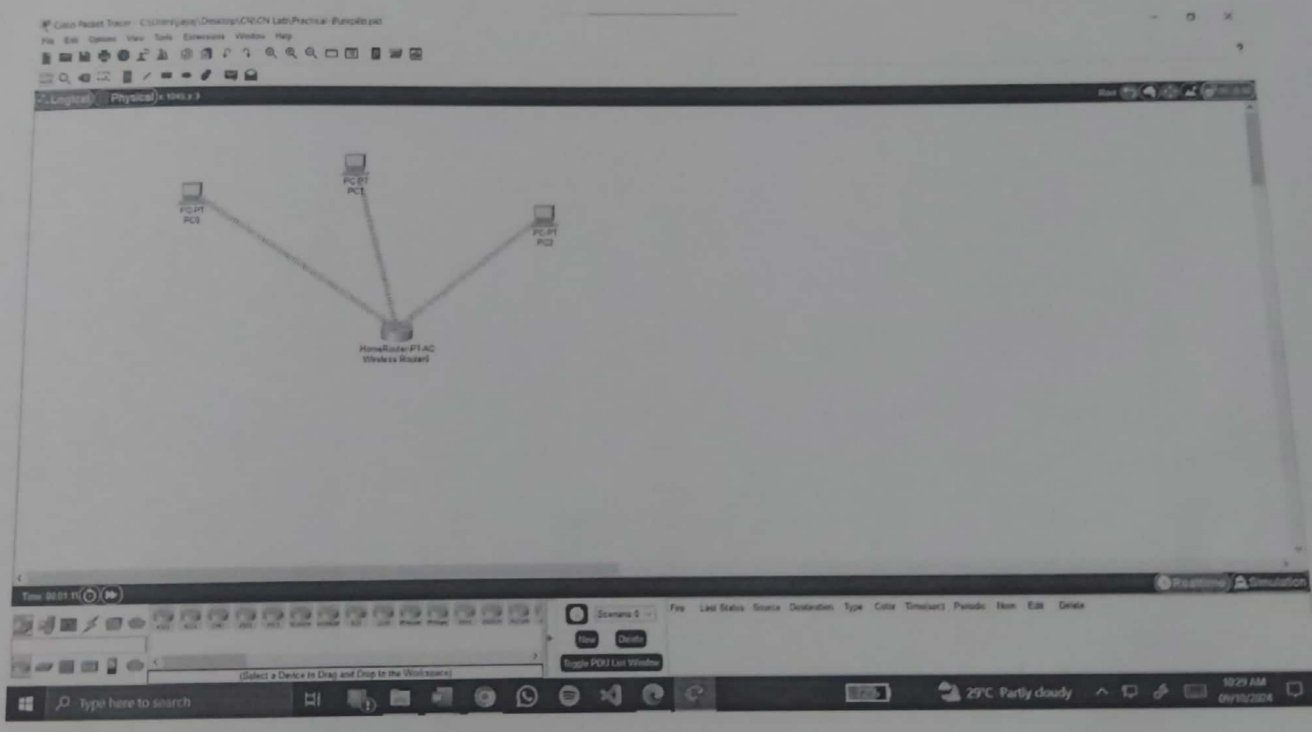
PC Configuration:-



connection:-



Topology:-



2015 | Page No.
Date / /

witch (config) # interface range of 0/1-10
witch (config - if-range) # switch port mode
Switch (config - if-range) # switch port
access vlan 10
Switch (config - if - range) # exit

Result:
Thus the simulation of virtual lan configuration using Cisco Packet tracer has been performed and the output is verified.

DOMS Page No.
Date / /

Aim :- b) configuration of wireless LAN using cisco packet tracer.

a) what is SSID of a wireless router?
SSID (Service Set Identifier) is the name of a wireless network. It is used to uniquely identify a wireless LAN.

b) what is a security key in a wireless router?
A security key in a wireless router is a password or encryption key used to secure a wireless network.

Result:
Thus, a wireless LAN has been configured using cisco packet tracer and the output is verified.

9/10/24