

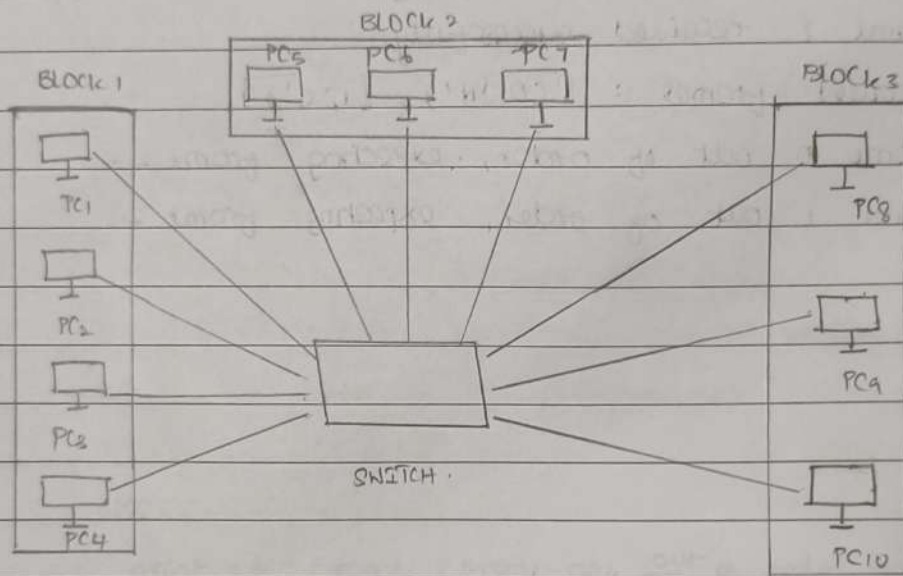
PRACTICAL - 8(a)

AIM:

Simulate virtual LAN configuration using Cisco packet tracer simulation.

STUDENT OBSERVATION:

1) Draw and Label the VLAN



2) Show the IP configuration for each device.

DEVICE	IP ADDRESS	SUBNET	DEFAULT
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

Q7 Write the commands used for VLAN configuration in switch.

→ configure terminal

→ vlan 10

→ name robotics-lan

→ exit

→ interface range f0/1-3

→ switchport mode access

→ exit

→ interface range f0/1-10

→ show vlan brief

→ switchport mode access

→ switchport access vlan 10

→ exit

→ interface range f0/4-6

→ switchport mode access

→ switchport access vlan 10

→ exit.

RESULT:

Thus the VLAN has been setup in the Cisco Packet Tracer simulation.

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PRACTICAL - 8Cb

AIM:

configuration of wireless LAN using cisco packet tracer simulation.

STUDENT OBSERVATION:

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.

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