AIM:
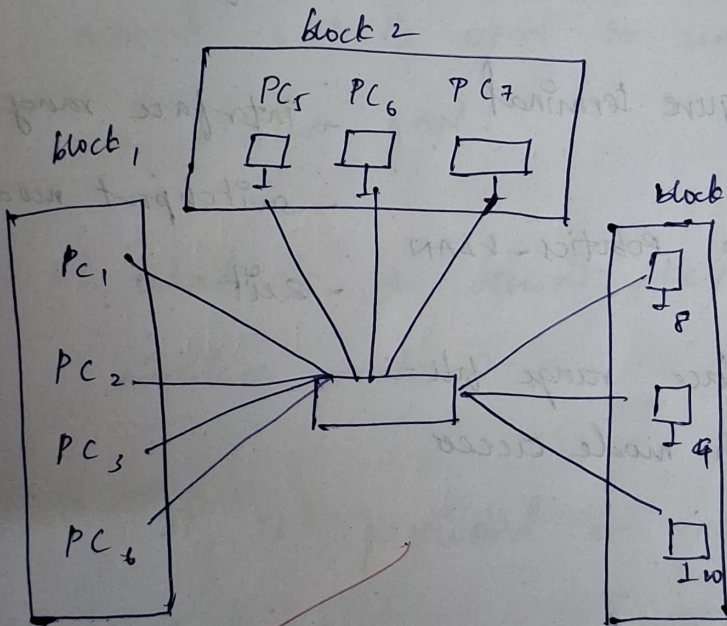
Simulate virtual LAN configuration using cisco packet trace simulation.

Student observation:

a) Draw and label for VLAN.

block 2

PC5 PC6 P C7

block 1

PC1

PC2

PC3

PC4

block 3

8

4

10

b) show the IP.

Device	IP Address	Subnet	Default
PC1	192.168.20.2	255.255.255.0	192.168.20.1
PC2	192.168.20.3		
PC3	192.168.20.4	"	"
PC4	192.168.20.5	"	"
PC5	192.168.20.6	"	"

PC$_6$	192.168.20.7	255.255.255.0	192.168.20.7
PC$_7$	192.168.20.8	"	"
PC$_8$	192.168.20.9	"	"
PC$_9$	192.168.20.10	"	"
PC$_{10}$	192.168.20.11	"	"

c) write the commands used for VLAN.

- configure terminal
- v lan
- name Robotics - VLAN
- exit
- Interface range foli -s.
- switch mode acces
- exit

- interface range 7-0
- switchport mode accus
- exit.

Result :

Thus the VLAN has been set up
in the cisco tracer.

AIM:

configuration of wireless LAN using Cisco packet tracer.

a) what is SSID of a wireless router?

SSID is the name of a wireless network. It is used to uniquely idetify a wireless LAN.

b) what is a security key in a wireless router?

It is password or encryption key - card to serve a wireless network.

Result:

This, a wireless LAN has been configured using cisco packet tracer.