Aim:

Simulate Virtual LAN configuration using CISCO packt Tracer simulation.

PC - PT
PC 2

PC 3

PC1

860 - 24
switch 0

2811
router 0

P10
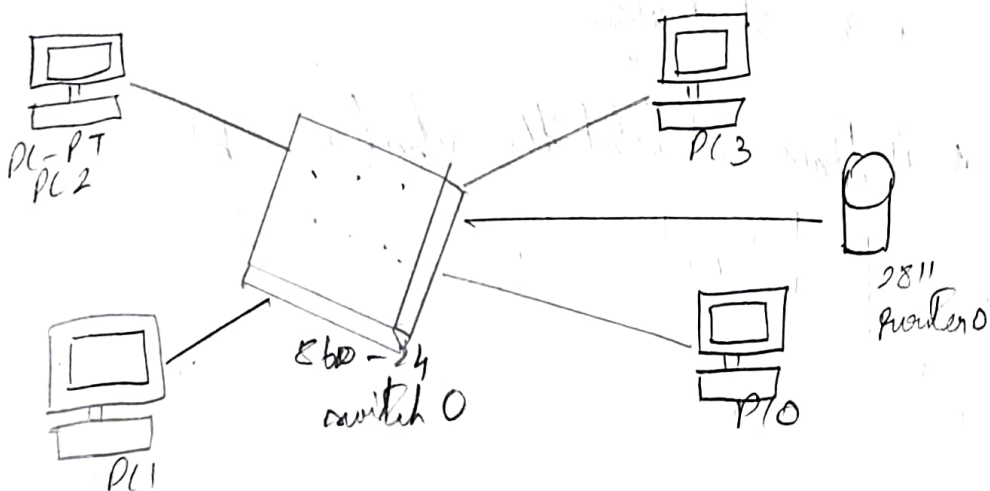
Reflection Questions:

1) what is needed to allow hosts in VLAN 10 to communicate to VLAN 99?

You need a layer3 device (router or layer3 switch) to ~~encode~~ enable inter-vlan routing and configure vlan routing and configure vlan interfaces with IP addresses for both vlans ensure that ACLS allows traffic.

2) what are some primary benefits that an organisation can receive through effective use of vlans?

Effective use of vlans improve network segmentation enhancing security and reducing broadcast traffic.

a) Draw and label the vlan for Qb)
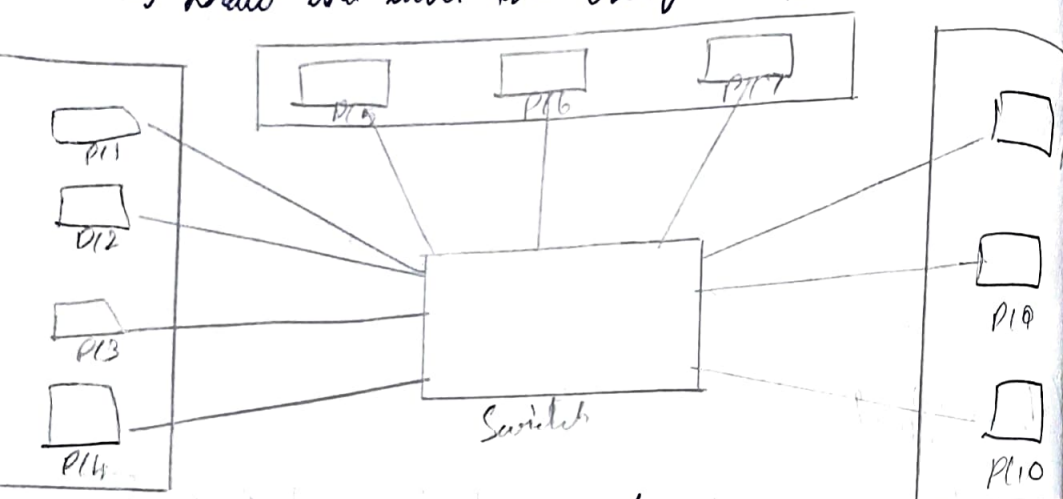
b) Show I P configuration for each device.

Device	IP	Subnet Mask	Default gateway
PC1	192.168.20.2		
PC2	192.168.20.3		
PC3	192.168.20.4		192
PC4	192.168.20.5	255.255.255.0	192.168.20.1
PC5	192.166.20.6		
PC6	192.168.20.7		
PC7	192.168.20.8		
PC8	192.168.20.9		

PC9   192.168.20.10
PC10 192.168.20.11   255.255.255.0   192.168.20.1

1) the Commands used for vlan config in switch

Switch> enable
Switch (config) # vlan 10
Switch (config- vlan) # name Robotics
Switch (config- vlan) # exit
Switch(config) # interface range f 011-10.
Switch (config-if- range) # switchport mode access
Switch (config- if-range) # switchport access vlan 10
Switch (config- if - range)# exit.

Result:
       Thus The simulation of vlan using cisco
packet tracer has been performed and the O/P is
verified.
              23/11

Exp:no:8b   Configuration of wireless LAN

Date:

Aim:

Configuration of wireless LAN using CISCO packet Tracer.

a) tot what is SSIO of a wireless source?

SSIO (Source set Identifier) is the name of a wireless network. This used to uniquely identifya wLAN.

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

A security key is a two password or encryption key used to secure a wireless network.

B

Result:

Thus, a wireless LAN has been configured using CISCO packet Tracer and the elP is verified.