Practical - 8 a)

Aim :

Simulate virtual LAN configuration using CISCU
Packet   trace simulation

PC -PT   PC-PT

PC 4   PC5
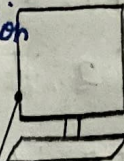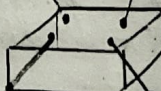
960 - 24
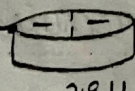Switch 0

2811
Router 0

PC-PT   PC -PT

PC 7   PC 6

Reflection questions :

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

. Answer.

To allow hosts on VLAN 10 to communicate with

hosts on VLAN 99, a router or layer 3 switch

is needed to perform inter - VLAN routing,

enabling traffic to pass between the two

VLANS.

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

primary benefits of effective VLAN use include improved network security through segmentation which limits broadcast traffic & enhanced network management.

Student observation:
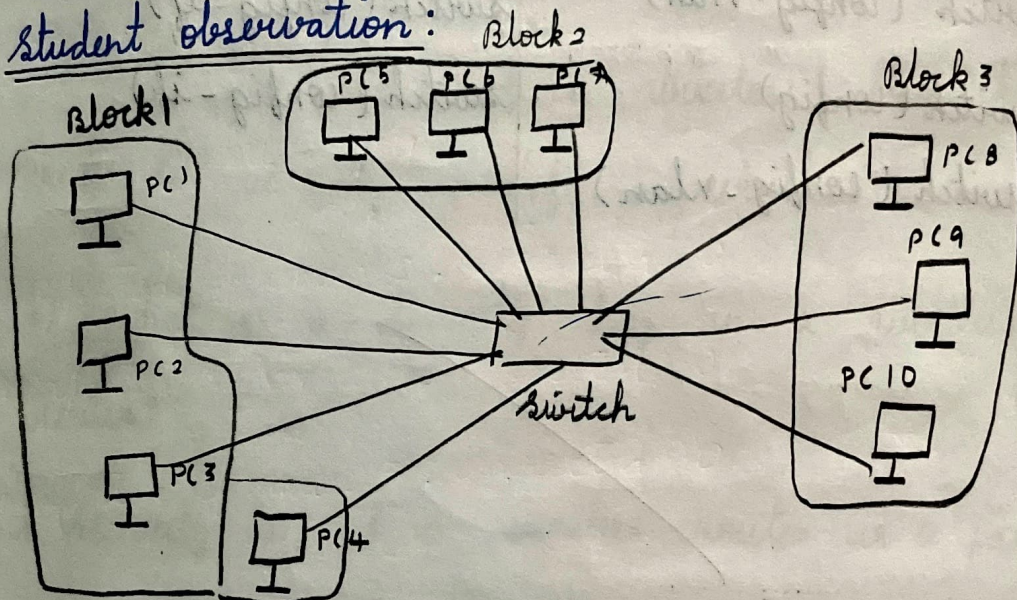
a) Draw & label the VLAN.

b) show the ip configuration for each device:

IP Address: 192.168.10.2

Subnet Mask: 255.255.255.0

IP Address: 192.168.10.3

Subnet Mask: 255.255.255.0.

IP Address : 192.168.99.2

Subnet Mask : 255. 255. 255. 0.

c) write the commands used for VLAN configuration in Switch .

	switch (config)
	Switch (config - if - range)
Switch > enable	Switch (config - if - range)
Switch	
Switch (config)	switch (config)
Switch (config - Vlan)	Switch (config - if)
Switch (config)	Switch (config - if)
Switch (config - vlan)	

Result :

Thus the VLAN has been setup in the CISCO

tracer .