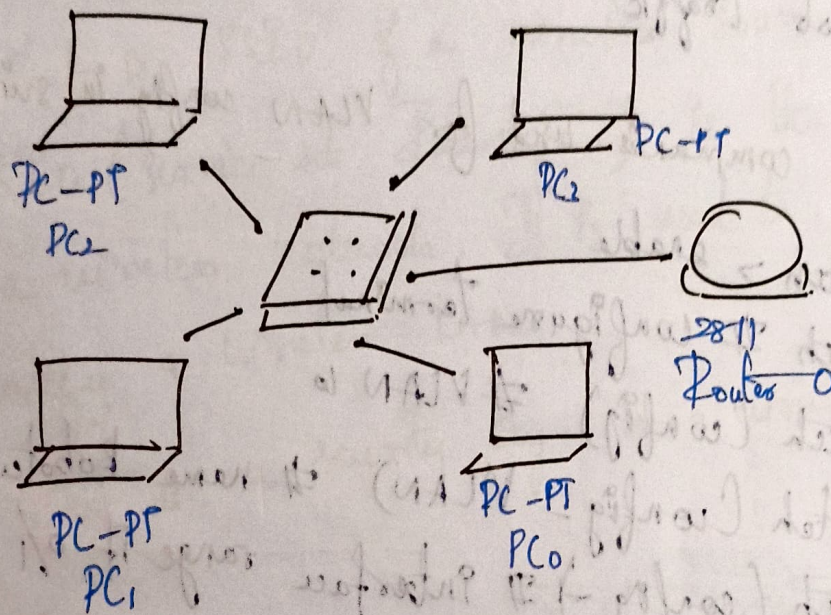Exp 8.a   Virtual lan Configuration

AIM:

Simulate virtual LAN configuration using CISCO packet-tracer simulation

Packet tracer - configure VLANs and trunking

PC-PT
PC₂

PC-PT
PC₂

PC-PT
PC₁

PC-PT
PC₀

2811
Router 0

Reflection Questions:

1. What is needed to allow hosts on VLAN 10 to communicate to hosts on VLAN 29?

You need a layer3 device (router or layer 3 switch) to enable inter - VLAN routing and configure VLAN routing and configure VLAN interface with IP addresses for both VLANs. Ensure that ACLs allow traffic between the VLANs and that hosts are set the appropriate default gateways

2. What are some primary benefits than an organisation can receive through effective use of VLANs?

Effective use of VLANs improves network segmentation enhancing security and reducing broadcast traffic

Write the commands used for VLAN config in switch

Switch > enable
Switch # configure terminal
Switch (config) # VLAN 10
Switch (config - VLAN) # name kobotei
Switch (config) # interface range if 0/1 - 10
Switch (config - if - range) # switchport mode acces
Switch (config - if - range) # switchport 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 o/p is verified

Exno: 86

Date :   Configuration of wireless LAN

AIM:

Configuration of wireless LAN using CISO
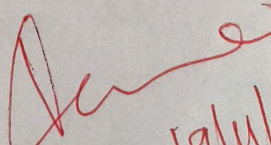Packet tracer

a) What is SSID of a wireless source?

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 is a wireless router
password or encryption key used to secure a
wireless network.

Result:

Thus a wireless LAN has been configured
using CISCO packet trace and the O/p is
verified.

19/07/24