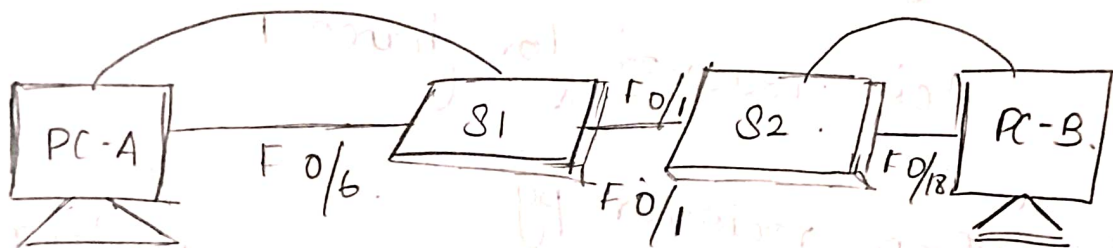25/9/24.   PRATICAL - 8.

(a) Simulate Virutal LAN configuration using CISG
Packet tracer.

   Packet Tracer - Configure VLANs and Trunkin

Physical Mode Topology.

Addressing Table.

device	Interface	IP address	Subnet Mark	Default Gateway.
S1	VLAN1	192.168.1.11	255.255.255.0	N/A.
S2	VLAN1	192.168.1.12	255.255.255.0	N/A.
PC-A	NIC	192.168.10.3	255.255.2550	192.168.10.1
PC-B	NIC	192.168.10.4	255.255.255.0	192.168.10.1

      Build the Network and Configure Basio
Step 1 :   Device Settings
         Build the network as shown in the
                                    topology.

Step 2: Configure basic settings for each
                                    switch.

Step 0 : Configure PC hosts

Step 1 : Test connectivity.

Part 2 - Create VLANs And Assign Switch Ports.

Step 1 : Create VLANs on the switches.

Step 2 : Assign VLANs to the correct switch interfaces.

Part 3 - Maintain VLAN Port Assignments and the VLAN Database.

Step 1 : Assign a VLAN to multiple interfaces.

Step 2 : Remove a VLAN assignment from an interface.

Step 3 : Remove a VLAN ID from the VLAN database.

Part 4 - Configure an 802.1Q Trunk b/w the switches.

Step 1 : Use DTP to initiate trunking on F0/1

Step 2 : Manually configure trunk interface F0/1

RESULT :

Thus the simulation of Virtual Lan configuration using cis co packet trace has been performed and output is verified.

8(b)

AIM:

Configuration wireless - LAN using (

packet Processor.

STUDENT OBSERVATION QUESTION

(a) What is SSID of a wireless source?

→ SSID (service set Identifier) is the name of the 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 have been configured using CISCO packet traces and O/P is verified.