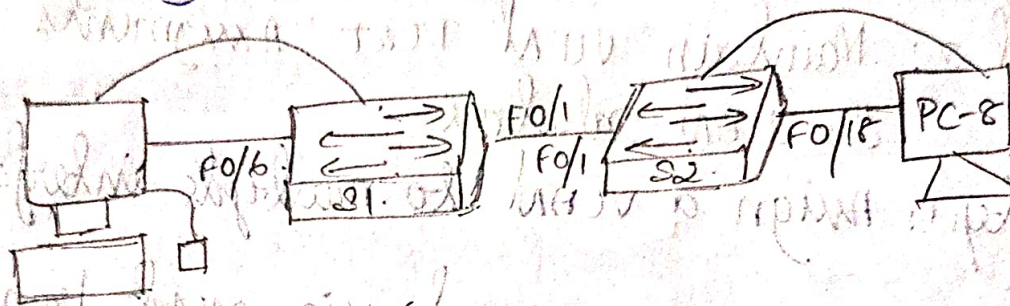Date: 18/9/24.   PRACTICAL-8

a). Simulate virtual LAN configuration using, cisco Packet tracer.

Packet tracer → configure, VLANs and Trunking - Physical mode Topology.

Addressing table.

Device	Interface	IP address	Subnet Mask	Default Gateway
S1	VLAN 1	192.168.1.11	255.255.255.0	N/A
S2	VLAN 1	192.168.1.12	255.255.255.0	N/A
PC-A	NIC	192.168.10.3	255.255.255.0	192.16 10.1
PC-B	NIC	192.168.10.4	255.255.255.0	192.16 10.1-

Part 1: Built the network and configure Basic device settings.

step 1 : Build the network as shown in the topology.

step 2: Configure basic settings for each switch.

step 3 : configure PC hosts.

Step 4 : 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 between 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 cisco packet tracer has been performed and output is verified.

8)b) AIM.

configuration wireless - cnnl using cisco.
packet Processor.

STUDENT OBSERVATION QUESTION

a) what is SSIO of a wireless source?

⇒ SSIO (service set Identifier) is the
name of wireless network.

⇒ It is used to uniquely identify a
wireless cAnl.

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 cAnl have been
configured using cisco packet traces &
o/p is verified.