

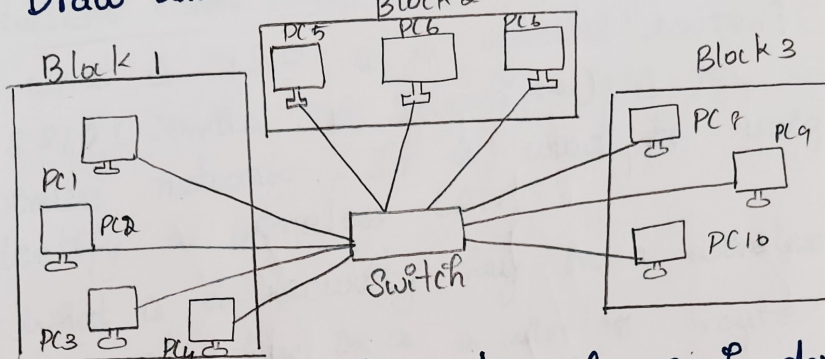
EXPNO18

Date: 9/9/24

SIMULATE VIRTUAL LAN CONFIGURATION USING CISCO PACKET TRACER SIMULATION

Student observation Questions

a) Draw and label the VLAN for Qb)



b) Show the IP configuration for each device

Device	IP Address	Subnet Mask	Default Gateway
PC1	192.168.20.2	255.255.255.0	192.168.20.1
PC2	192.168.20.3		
PC3	192.168.20.4		
PC4	192.168.20.5		
PC5	192.168.20.6		
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		

c) Write the commands used for VLAN config.
in switch.

```

Switch > enable
Switch # configure terminal
Switch (config) # vlan 10
Switch (config-vlan) # name Robotics
Switch (config-vlan) # exit
  
```

```

switch (config) # interface range f 0/1-10
switch (config-if-range) # switch port access
                        vlan 10
switch (config-if-range) # exit

```

show the ip configuration for each device
 Default Gateway

Device	IP Address	Subnet Mask	Default Gateway
PC1	192.168.20.2	255.255.255.0	192.168.20.1
PC2	192.168.20.3	255.255.255.0	192.168.20.1
PC3	192.168.20.4	255.255.255.0	192.168.20.1
PC4	192.168.20.5	255.255.255.0	192.168.20.1
PC5	192.168.20.6	255.255.255.0	192.168.20.1
PC6	192.168.20.7	255.255.255.0	192.168.20.1
PC7	192.168.20.8	255.255.255.0	192.168.20.1
PC8	192.168.20.9	255.255.255.0	192.168.20.1
PC9	192.168.20.10	255.255.255.0	192.168.20.1
PC10	192.168.20.11	255.255.255.0	192.168.20.1

Results:-

Thus, the simulation of Virtual LAN configuration using cisco packet tracer has been performed and the output is verified.

b)

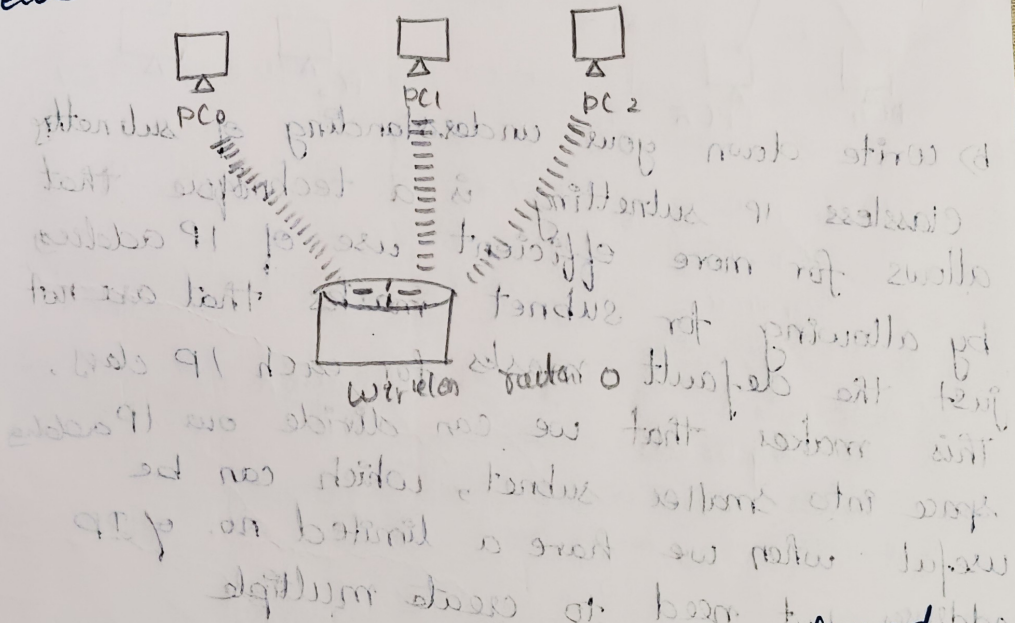
AIM:-

Configuration wireless LAN using CISCO Packet Tracer.

Student Observation Questions:-

a) what is SSID of a wireless route?
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 route?
A security key in a wireless route is a password or encryption key used to secure a wireless network.



Result:-

Thus a wireless LAN has been configured using CISCO Packet Tracer and one output is verified.

19/11