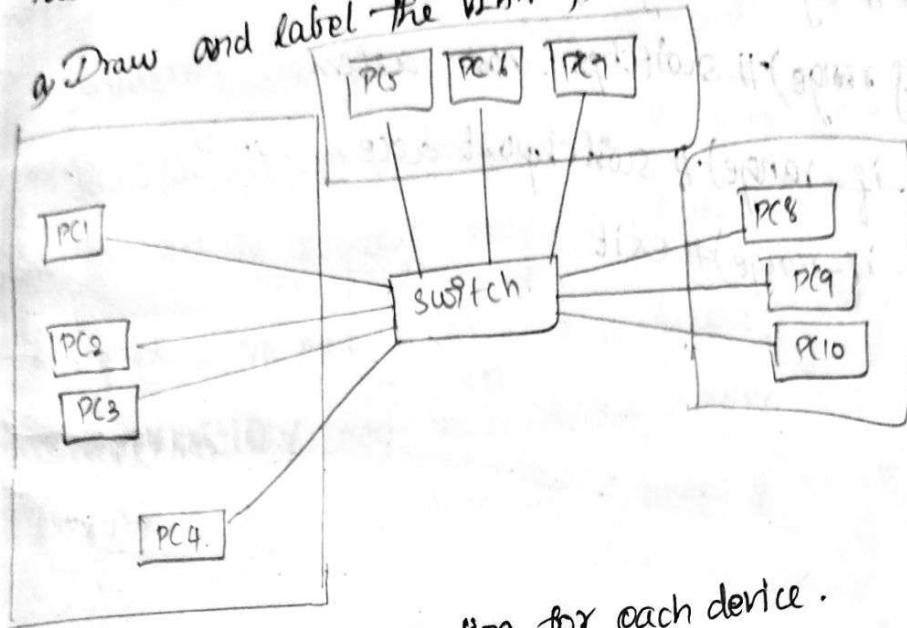Ex.NO:8a)
VIRTUAL LAN CONFIGURATION

AIM:

Simulate Virtual LAN configuration using cisco packet

Tracer Simulation.

Packet Tracer - Configure VLANS and Trunking:

a) Draw and label the VLAN for Q(b).

b) Show that '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	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

Q Write the commands used for VLAN configuration in switch.

```
switch > enable
switch # configure terminal
switch (config)# vlan 10
switch (config - vlan)# name
switch (config - vlan)# exit
switch (config)# interface range of 0/1 - 10
switch (config - if - range)# switchport mode access.
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 and o/p is verified.