CISCO Packet Tracer

Aim : To understand & Study the Packet tracer tool installation & user interface.

d) Analyse the behaviour of network device using cisco Packet Tracer Stimulator

1) From the network Component box, click & drag & drop the below components.

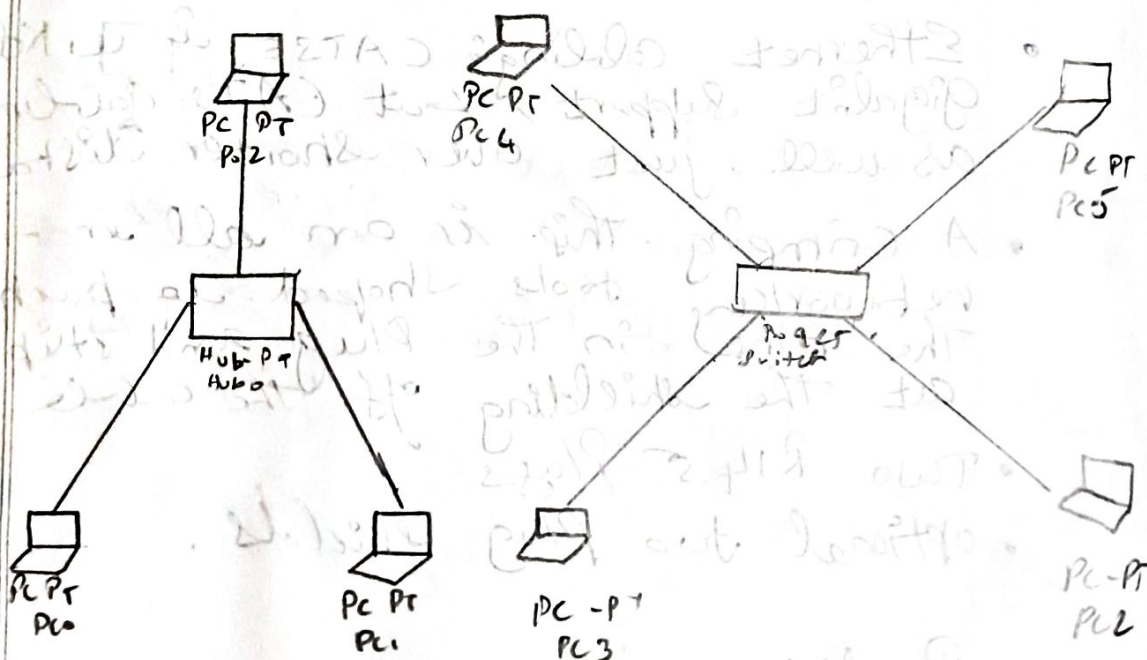   a) 4 Generic PCs & one HUB

    b) 4 Generic PCs & one Switch.

2) Click on Connections:

    a) Click on copper straight through cable

    b) Select one of the Pc & connect it to HUB using the cable.

    c) Similarly connect 4 Pc to the Switch using copper straight - through cable

PC PT
Po2

PC PT
PC 4

PC PT
PC5

Hub PT
Hub 0

PC PT
PC0

PC PT
PC1

PC -PT
PC3

PC -PT
PC2

3) Click on the PCs connected to hub.
Click on IP configure & enter IP.
The default gateway & DNS server
information is not needed as these
only two & end devices.

IP Configuration	IP Configuration
ODHCP ostatic	DHCP - Static
IP Address	IP Address
10.1.1.1	10.4.2
Subnet mask 255.0.0.0	Subnet mask 255.0.0.0
Default gateway	Default gateway
DNS server	DNS server

4) Observe the flow of PDU from source
PC to destination. PC by selecting
the real time & model of simulation.

5) Repeat step #3 to #5 for the PCs
connected to switch.

6) observed how the HUB & switch
forwarding the PDB & write your
observation & conclusion about the
behaviour of switch & HUB

Observation :
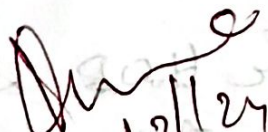
a) Switch : forwards packets only t the specified ports.

Hub : Broadcast packets to all the connected devices.

b) Mesh technology :

In a Mesh topology each devic is connected to every other devices in the providing high redundancy & reliability.

Result :

The equipment was Successfully executed & o/p is verified.

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