Practical - 3 CISCO PACKET. TRACER simulator Aim : To understand and study the Packet Tracer tool Installation and user interface

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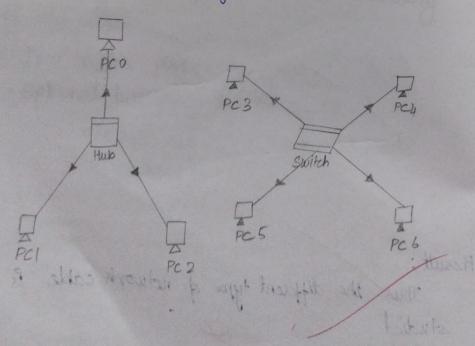
and drop below the components

b. 4 Generic PCs and one Switch

2. Click on connections:

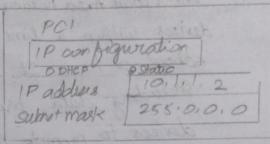
a. click on copper Straight-through cable b. select one of the PC and connect it to HUB using the cable. The link LED should glow in green, indicating that the link is up. similarly connect remaining 2PCs to the HUB

c. Similarly connect 4PCs to the switch using copper straight - through cable



3 Click on the RCs connected to hub, go to the desktop tab, click on IP configuration, and enter an IP address and subnet mask Here, the default gateway and DNS Server information is not needed as those are only two end devices in the network

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IP configura	
IP Address	10:1:1.1
Title and a	
Subnet Mask	255.0.0.0



click on the PDU (message (con) from the common tool how.

a Drag and drop it on one of PC ( some machine) and then drop it on another Pc (destination machine) connected to the HUB

4. Observe the flow of PDU from source PC to destination PC by selecting the realtime mode of Simulation

5. Repeat Step # 3 to step# of for the PCs connected to the sounds.

the switch

6. Observe how HUB and switch are forwarding the
PDU and write your observation and conclusion
about the behavious of switch and HUB

Oriestion by Answer

a. Hub: broadcasts flacks to all the connected devices
be stessed switch: Forward packets only to the specific ports

b) Mesh topology

I Each device connected to every other device in network

Result The experiment was successfully executed and the output is verified