I N D E X

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S.No.	Date	Title	Page No.	Teacher's Sign/ Remarks
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AIM: To study the packet tracer tool Installation and user Interface overview.

Analyse the behaviour of network devices using CISCO PACKET TRACER Simulator.

a) From the network Component box, click and drag - and drop the below Components :

    ✱ 4 Generic - Pcs and one HuB
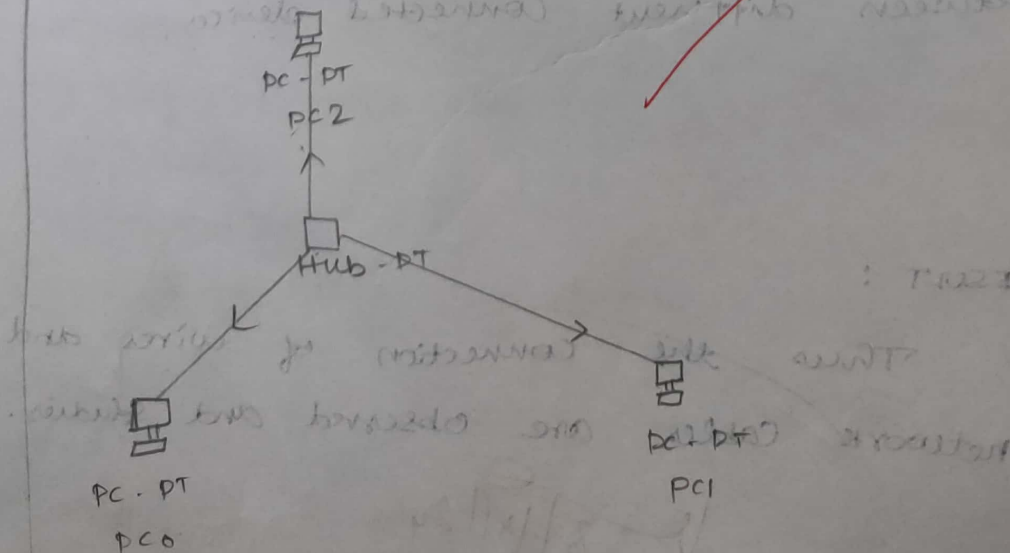
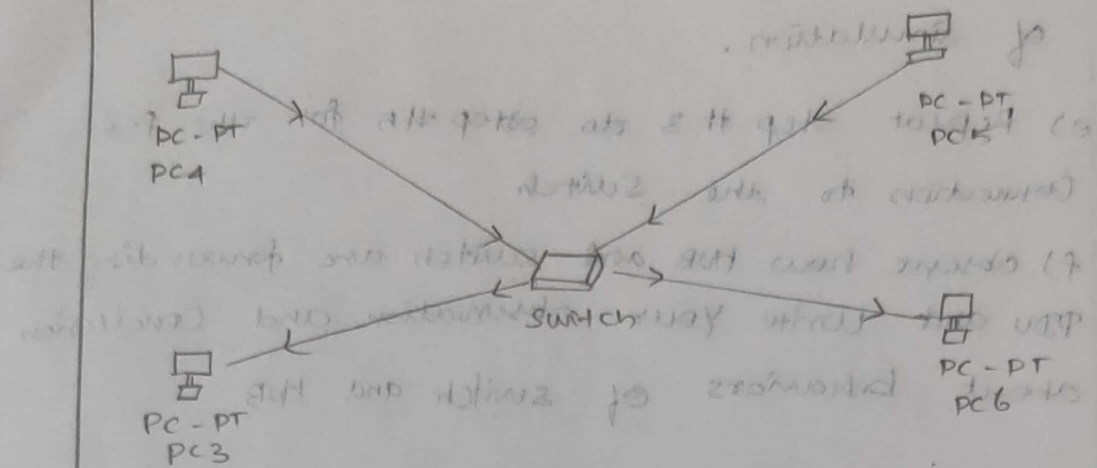   ✱ 4 Generic Pcs and one Switch.

b) click on Connections :

    ✱ Click on copper Straight - through cable

    ✱ 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 3 Pcs to the HuB.

    ✱ Similarly connect 4 Pcs to Switch with Copper straight through cable.

PC - PT
PC2

Hub - PT

PC - PT
PC0

PCI

PC-PT PC4
PC-PT PC5
PC-PT PC3
PC-PT PC6

c) click on the pcs 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 there are only two end devices in the network.

PC0	PC1
IP Configuration	**IP Configuration**
IP configuration	IP configuration
○ DHCP ◉ Static	○ DHCP ◉ Static
IP Address [10.1.1.1]	IP address [10.1.1.2]
Subnet mask [255.0.0.0]	Subnet mask [255.0.0.0]
Default gateway [ ]	Default gateway [ ]
DNS Server [ ]	DNS Server [ ]

click on the PDU (message icon) from the common tool bar,

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

d) observe the flow of PDU from source pc to destination pc by selecting the Realtime mode

of Simulation.

e) Repeat step #3 to step #5 for the Pcs Connection to the Switch

f) observe how HUB and switch are forwarding the PDU and write your observation and Conclusion about behaviors of switch and HUB

Student's observation:

a) Hub is used for Broadcast transmission whereas Switches are used for selective forwarding i.e. packets

b) Mesh topology

RESULT:

Thus the study of packet tracer and user interfaces are overviewed and observed.