Ex:03-

Pactical-3.

Aim: To study the packet tracer toul installation and User Interface.

d). Analyse the behavious of network Levices using CISCO PACKET TRACER Simulator.

1. From the network component box, click and deag-and droop the bellow components:

a. 4 Generic Pcs and One Hub.

b. 4 Generic Pcs and one Switch.

2. Click on Connections:

a. click on Coppes Straight-Through cable.

b. Select one of the Pc and connect it to

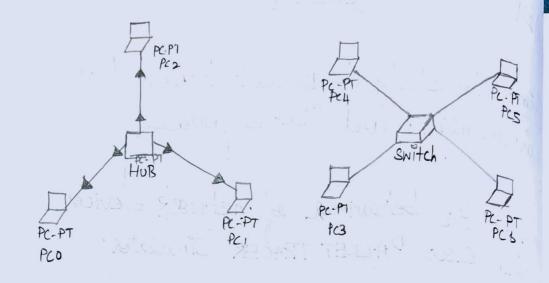
Hub using the cable. The link LED should

glow in green, indicating that the link is

up. Similarly connect remaining 3Pcs to

the Hub.

C). Similarly Connect 4Pcs to the switch using copper straight - through cable



3. Click on the Pcs connected to hub, go to the Desktop tab, click on the 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 Levices in the network.

Click on the PDU [message icon) from the Common tool box,

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

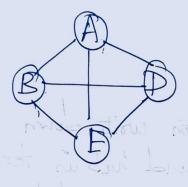
4. Observe the flow of PDU from source Pc. to destination Pc by selecting the Realtime made of simulation.

5. Repeat Step#3 to step#5 for the Pes connected to the Switch.

6. Observe how HUB and Switch are forwarding the PDU and While your observation and Conclusion about the behaviors of Switch and AttoB intervenced wife of women IP configuration ODHEP Ostatic IPAddoess 10.1.1.2 ODHCP OStatic IP address. 10.11.1 Subnet Mask 255.0.0. Subnetmask 255.0.00 Default galeway DNS Server DNS Server. Student observation a). From your Observation write down the behaviour of switch and hub in terms of forwarding the packets received by them. Hub: \* Broad casts packets to all poch. \* les effrient, cames collison Switch: packets to specific poets based on mac address Result: Thus, the behaviour of a more efficient, reduces collision

b) find out the network topology implemented in your college & draw and label but that topology in your observation book topology in your observation book

Mesh topology:
All the nodes are directly connected to each other



Result: Thus, the behavious of network devices using C1300 Packet Tracer Simulator is analysed.

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