

Experiment - 3

30/1/24

Aim: To study the packet tracer tool installation and user interface overview and analyse the behaviour of network device using USCO PACKET TRACER simulator

1) From the network component box, click and drag and drop the below components

a) 4- Generic PCs and one HUB

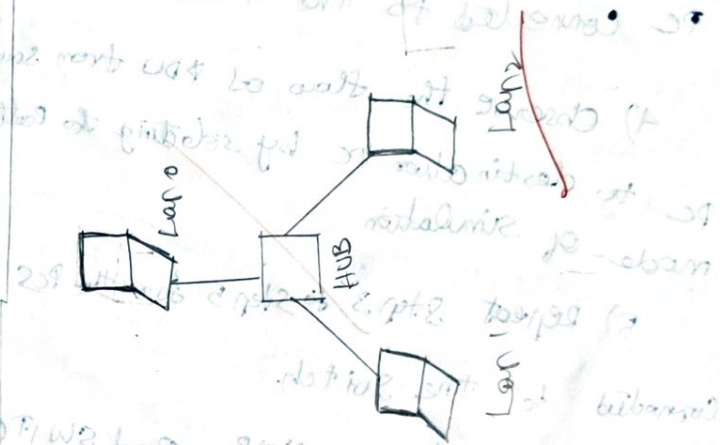
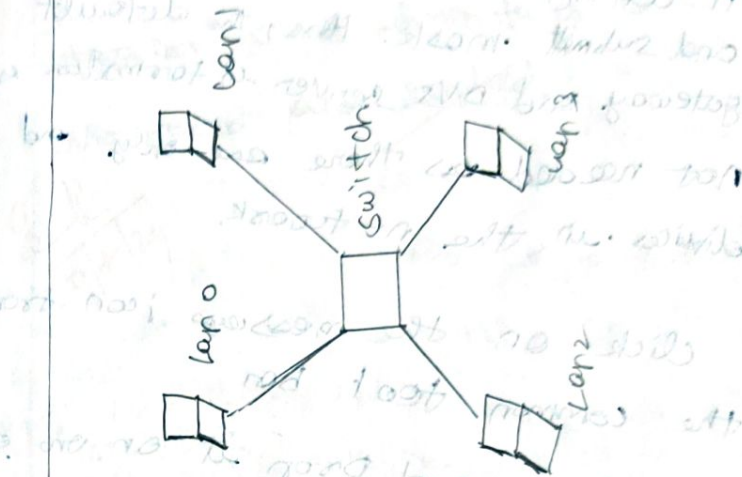
b) 4 Generic PCs and one switch

2) click on connections

3) 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.

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



3) click on the PCs connected to hub, go to the Desktop tab, click on the 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 devices in the network.

click on the message icon from the common tool bar

a) Drag and Drop it on one of the PC and then drop it on other PC connected to the hub.

4) Observe the flow of PDU from source PC to destination PC by selecting the packet mode of simulation

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

6) observe how HUB and SWITCH are forwarding the PDU and write your observation and conclusion about the behaviour of switch and HUB

Result:

Thus the study of packet tracer and interfaces are overviewed and studied.

30/12/24