EXP. NO: 03 DATE: 31.09.2024

CISCO PACKET TRACER

AIM:

To understand & study the packet tracer tool installation & user interface.

a) Analyse the behaviour of network devices using CISCO packet tracer simulator.

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

a) 4 generic PCS & one HUB

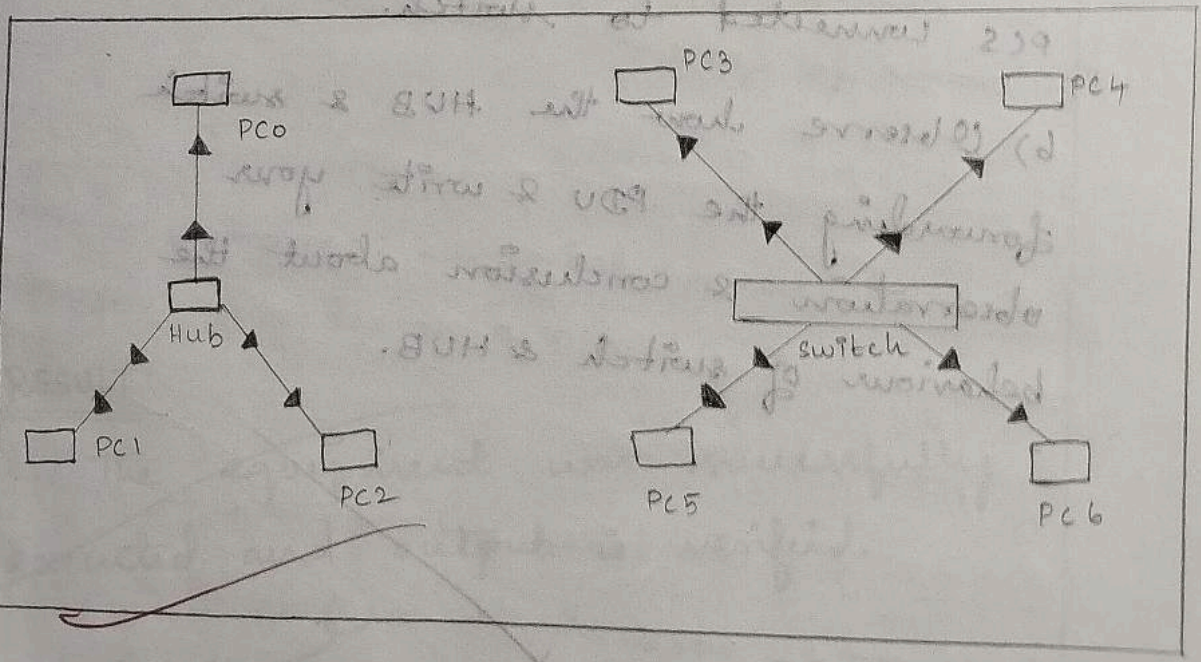
b) 4 generic PCS & one switch.

2) click on connections:

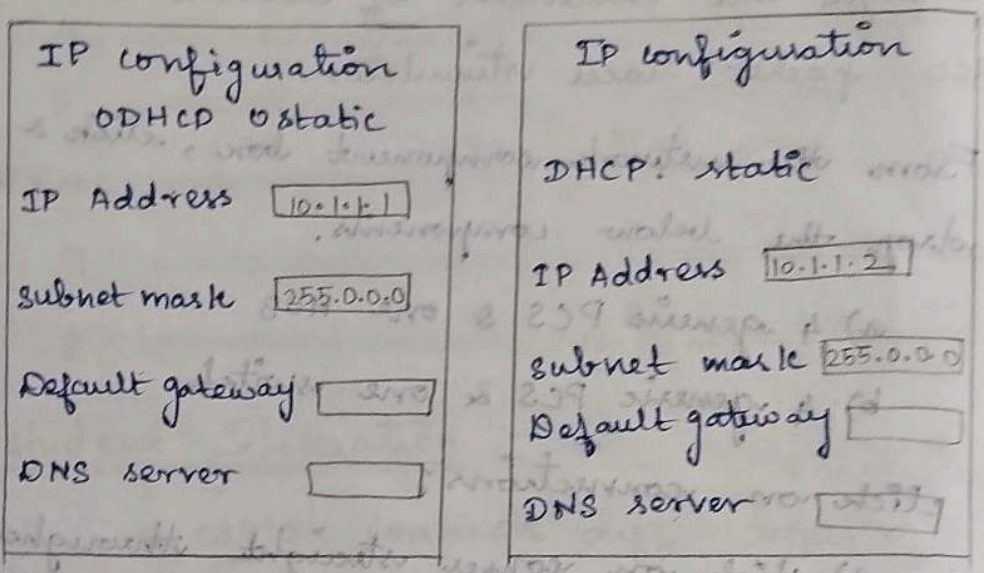
a) click on copper straight thoughcable

b) Select one of the PC & connect it to HUB using the cable. The lik should glow

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



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



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 #5 for the PCs connected to switch.

6) Observe how the HUB & switch forwarding the PDU & write your observation & conclusion about the behaviour of switch & HUB.

Observation:

a) Switch: forwards packets only to the specified ports.

Hub: Broadcast packets only to all the connected devices.

b) Mesh technology:

In a Mesh topology each devices is connected to energy other devices in the prividing high redundancy & reliability.

RESULT:

The equipment was successfully executed and output is verified.

11/9/24