Ex: No: 3

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CISCO Packet Tracer.

Aim: To understand & study the packet tracer tool installation & user interface

d) Analyse the behaviour of network devices using CISCO packet Tracer stimulator.

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

a) 4 Generic PCs & one HUB

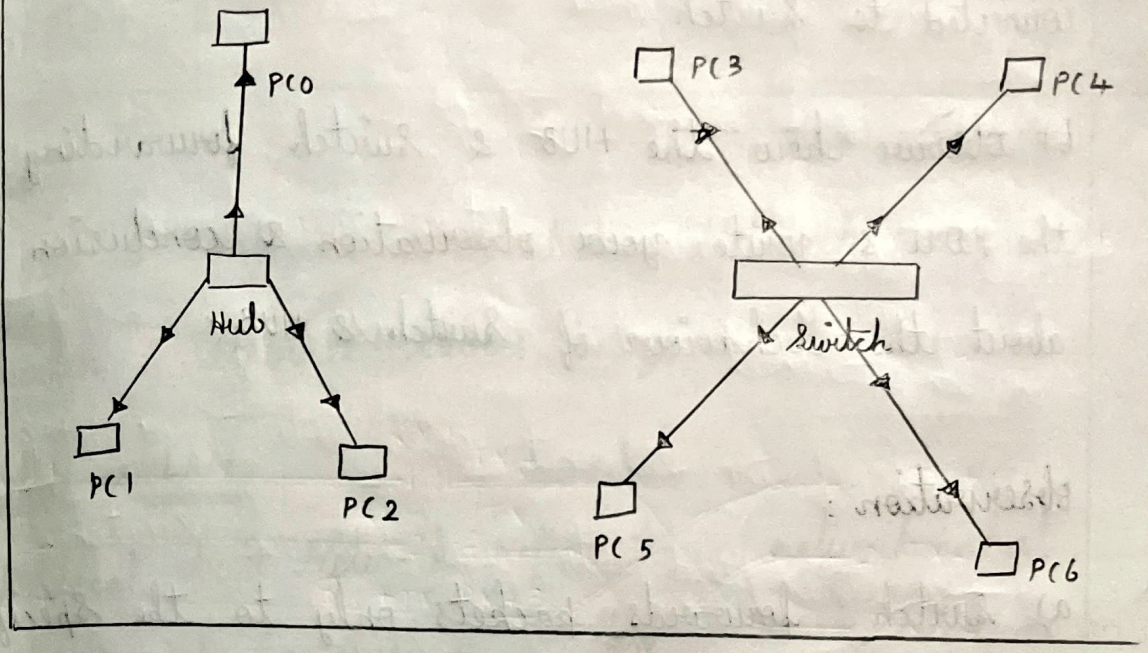
b) 4 Generic PCs & one switch

2) click on connections:

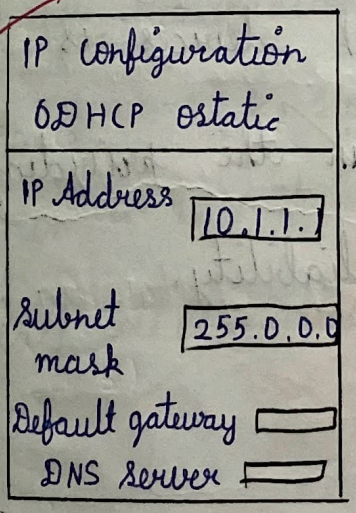
a) click on copper straight throughcable

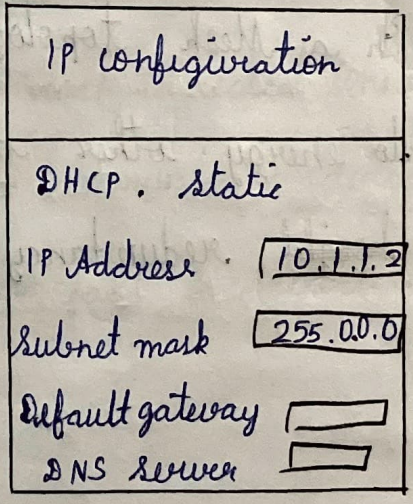
b) Select one of the PC & connect it to HUB using the cable. The lik should glow.

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 stimulation.

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 to all the connected devices.

b) Mesh technology:

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

Result:

The equipment was successfully executed & O/P is verified

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