## CISCO PACKET TRACER

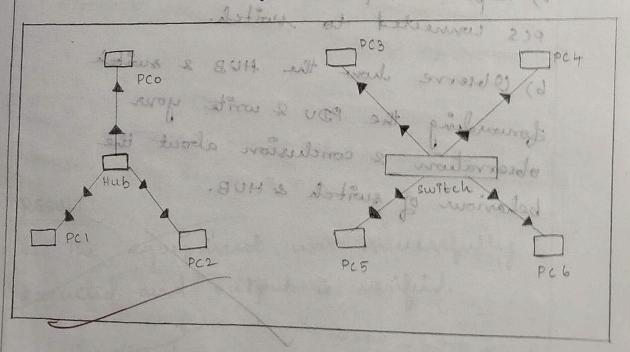
AIM .

to understand & istudy the packet trace tool installation & user interface.

- d) Analyse the behaviour of network devices wing c1500 packet traces istimulator.
- 1) From the wetwork component box, click & drag
  - a) 4 geneire PCS & one HUB
  - b) 4 generic PCS & one witch
- 2) elick on connections:
  - a) click on copper steaight ithrougheable

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- b) Select some of the PC & commend 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 converted to hub.

Click on IP configure & enter 10, the

default gateway & DNS server information

It not needed as there only two &

end devices.

IP configuration
ODHCP Ostabic

IP Address [10.1.1.]
Subhet mask [255.0.0.0]

Default gateway

DNS server

IP configuration

DHCP: static

IP Address 10.1.1.2

Subnet mark 255.0.20

Default gatinary

DNS server

- 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 2 switch forwarding the PDU & write your observation & conclusion about the behaviour of switch & HUB.

Observation: a) switch: forwards packets only to the especified posts. Hub : Broad cast parkets only to all the connected devices! b) Mesh technology: In a Mashiotopology each derices is connected to energy other devices in the prividing high redundancy & seliability. of elements a stanish a rational of storrasse destruction users have as paintings a service as enitches, est local assa refresorte (LAN) susting server as the framulary courseting alentee on a LAN Austell Care conveniented in within the local retrooms. Fach connected danks on a LAN enother con communicate directly with each order. allowing for fast and sense data transfer the I Plan and design on appropriate valuerly topology taking into avount interest sequirement was succesfully The equipment executed and output is verified. 8 , to ear at tout to reprise on 11 . 8 reprooner of these so themen