MM: To study the Packet brown book installation and use Interfer overice.

Analyse the balanious of net wate deries using asco PACKET TRACER simulator.

1. From the network component box, dick and drag- and -drop the below components: a. 4 Generic PCs and one MUB 6-4 generic pcs and one Switch

2. Click on Connections:

a. Click on copper straignt-through cable b. Select one of the PC and connect it be

HUB aming the cable. The link LED Should grow in green, indicating blow bre link is up. Similarly connect

remaining 3 PCs be the HUB.

C. Similarly connect le PCS be one surbeh using copper straight- bhrow ghe cubbe.

3. Click on the PCs connected be hub go be The Pesketop bab, click on IP configuration and enter LP address and subject more. there, one defined gaterray and DNS serve information is not needed as there are only our and devices in the neburak. Clock on the PPU Comers age con) from the common book bow a brig and dry it on one of PC and oven drap on another the connected be the HUB.

Student Observation

- a. Observe the flow of PPU from source PC to distinction PC by selecting the Realtine mode of cimelation.
- 5. Repeat steps to step 5 god the PC's connected be the surtch.
- 6. Opserve how ItUB and switch are Johnsoning one PDU and write your observation and Conclusion about the behavious of. switch and was.

Student Observation

- a. Hus: Special suggests is 1900 . some
 - > Forwards packets to all connected devices regardlers of the distination.

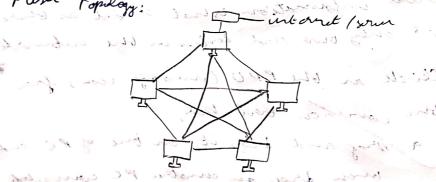
to be to give only price and ormal or

- -> Courses netruele congestion due be anners ary braggic, po a sond sond
- -> les seure as all devis receive the broad casted packets

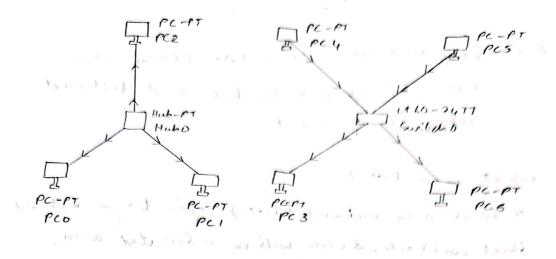
Suribch 11 g world - my walls wellow griscal

- -> Forwards packets only be the specific distination dervie based on MAC addresses.
- -> Reduces network congestion by minimizing unrecessary braggic. - s more sure and efficient compared to HUB

b. Mish Topology:



be les HUB.



O PCO	ORI
IP Configuration IP Configuration ODI+CP OStatic	IP Configuration - (P Configuration ————————————————————————————————————
10.1.1.1 Subsect Mark 255.0.0.0 Refult Gotony DNS Server	1P Addres 10.1.1.2 Submethank 255.0.0.0 Default Gateurs Das Server

RESULT

Thus, the packet toracer tool installation and user inter face overvoir has been studied.