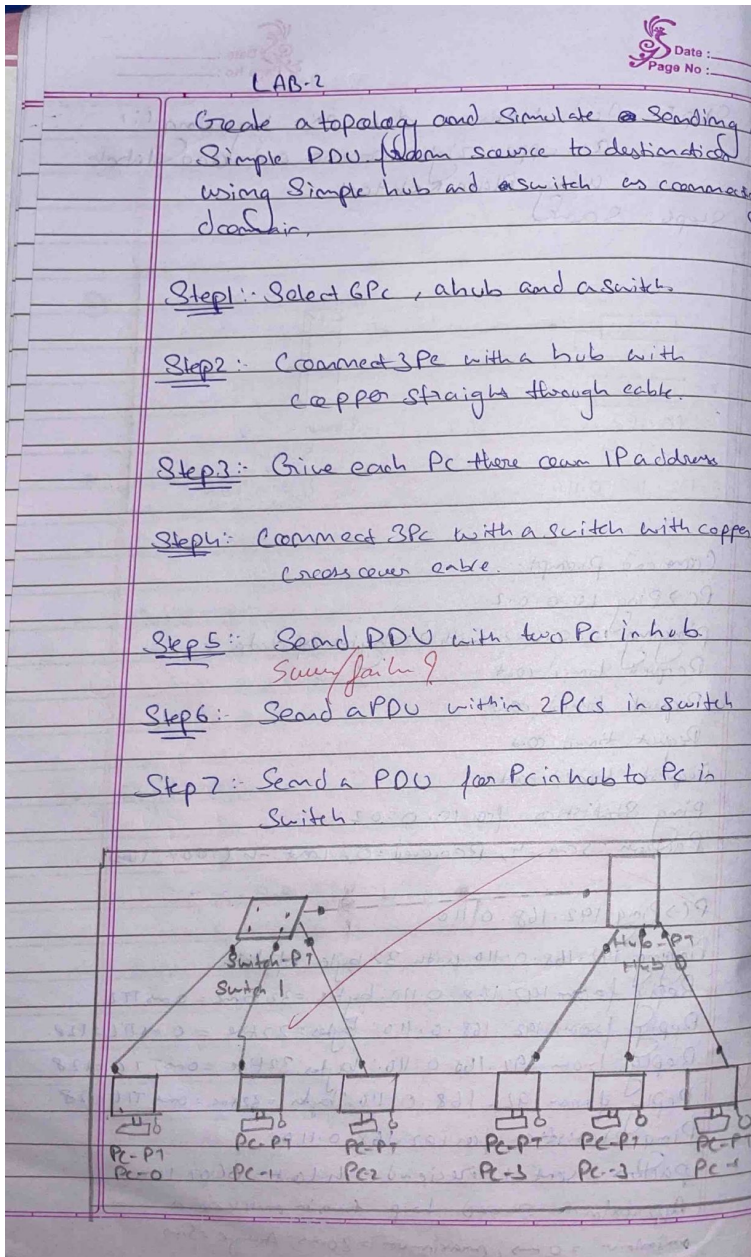# EXPERIMENT-1

Q) Create a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting devices and demonstrate ping messages.

Command Prompt

(i) Switch com.

PC > Ping 10.0.0.03

Pinging 10.0.0.3 with 32 bytes of data:

Reply from 10.0.0.3: bytes = 32 time = 0ms TTL = 120
Reply from 10.0.0.3: bytes = 32 time = 0ms TTL = 120
Reply from 10.0.0.3 bytes = 32 time = 0ms TTL = 120
Reply from 10.0.0.3: bytes = 32 time = 4ms TTL = 120

Ping Statics for 10.0.0.3:
    Packets : Sent = 4, Recieved = 4, Lost = 0 (0% Loss),
Approximate round trip time in milli-seconds:
    Minimum = 4ms, Maximum = 0ms, Average = 5ms

(ii) Switch 0011

PC > Ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data.

Request timed out
Request timed out
Request timed out
Request timed out.

Ping Statics for 10.0.0.3
    Packets : Sent = 4, recieved = 0, lost = 4, loss (100%).

TOPOLOGY & OUTPUT

1.Hub and PCs