Revanth. N.M
IBM18CS081

→ Simulation is started by placing a simple PDU in source (PC0) and destination device (PC3)

→ At first stage we can see that message packet is transferred from PC0 to HUB.

→ At second stage HUB being a dumb device it broadcast the packet to all connected device

→ At third stage packet at PC2 is de-encapuslated and dropped as it was not the destination point and unlike HUB Switch is a smart device it reads the packet destination address and transmits to the correct device. So Switch transfer packet only to PC3 not to PC1 as it knows the destination.

→ PC3 der encapuslates and accepts the packets and an acknowledgement is sent by encapusalating it back to Switch with destination address of PC0.

→ Switch transmits the ack packet to HUB.

→ HUB broadcast the ack packet.

→ PC2 the packet is dropped as it is not the correct destination.

→ The ack packet is de-encapuslated and then accepted by PC0.

Revanth. NM