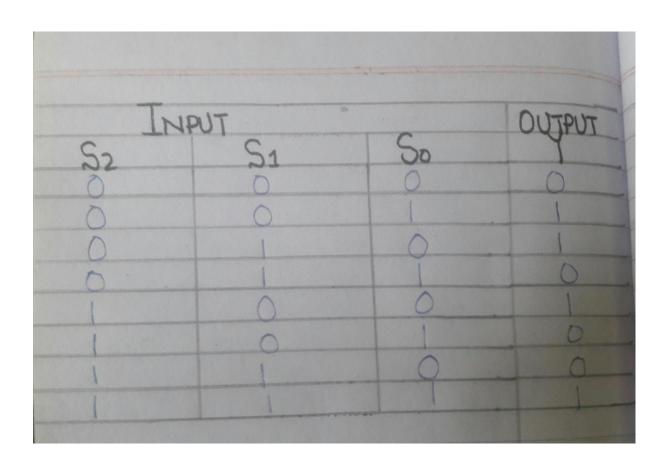
### **Q**)DIFFERENCE BETWEEN MUX AND DEMUX?

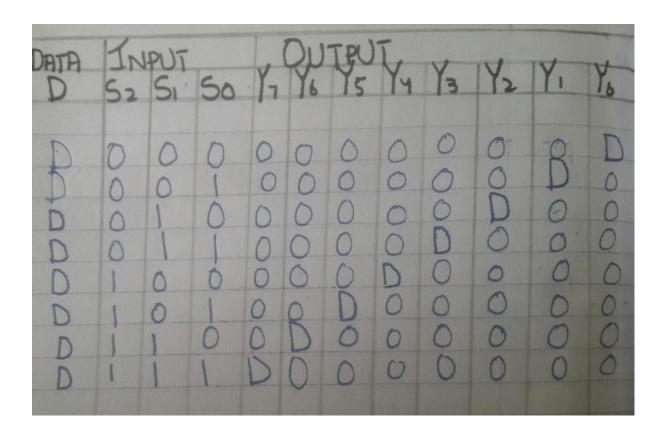
MULTIPLEXER	DEMULTIPLEXER
IT OPERATES ON	IT OPERATES ON
MULTIPLE	A SINGLE INPUT
INPUTS	
IT PERFORM	IT PERFORM
PARALLEL TO	SERIAL TO
SERIAL	PARALLEL
CONVERSION AS	CONVERSION AS
IT REQUIRES	MULTIPLE
SEVERAL INPUTS	OUTPUT
MULTIPLEXER	DEMULTIPLEXER
WITH THE HELP	UTILIZES THE
OF CONTROL	CONTROL
SIGNALS SELECTS	SIGNAL AND
THE PARTICULAR	ALLOW US TO
INPUT THAT HAS	HAVE MULTIPLE
TO BE	OUTPUT

TRANSMITTED	
AT THE OUTPUT	
MULTIPLEXER IS	DEMULTIPLEXER
N TO 1 DEVICE	IS 1 TO N DEVICE

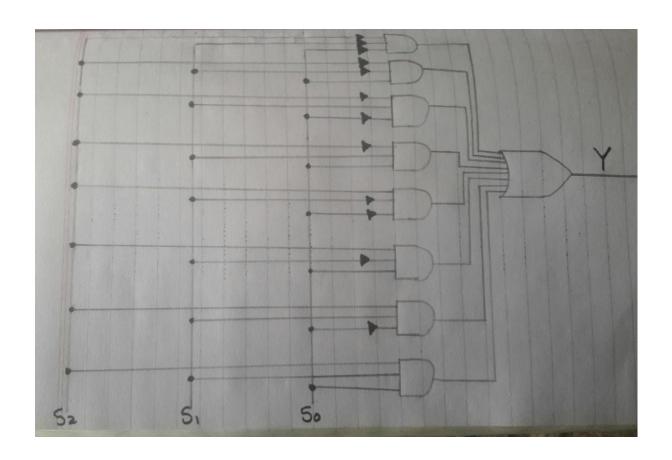
# TRUTH TABLE OF MULTIPLEXER:



#### **TRUTH TABLE OF DEMULTIPLEXER:**



### **CIRCUIT DIAGRAM OF MULTIPLEXER:**



## **CIRCUIT DIAGRAM OF DEMULTIPLEXER:**

