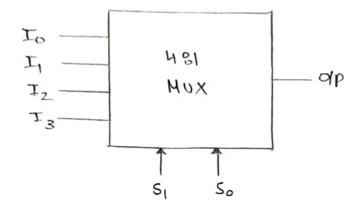
Apparatus 8- Brendboard, connecting wires, power supply, display band.
Apparatus 8- Brendboard, connecting wires, power supply, display band.
theory &- Multiplexer is a device that has multiple inputs and a single line outp
The select lines determine which input is connected to the output, and
also to increase the amount of data that can be sent over a network within
certain time. It is also called a data selector.
Multiplexess are classified into four types &
-> 281 multiplexer -> 481 multiplexer
→ 8 31 multiplexer → 1681 multiplexer.
4 % multiplexer 5- It has four data inputs I3, I2, I, and I0, two sole lines S1 and S0 and one output Y. the block diagram of 481 multiplexer
is shown. One of these 4 inputs will be connected to the output based on the combination of inputs present at these two selection lines. That table
of 4:1 multiplexer is shown.
Procedure :-
Connect the supply (+5 v) to the circuit.
First press "ADD" botton to add busic state of your output in the given table
Press the switches so and S, to select desired input line.
Press "ADD" button to your imputs and outputs in given table.
Pres the "PRINT" button after completing your simulation by repeating
steps 3 and 4 to get your results.
Teacher's Signature
Date

		Date
Ехр	ot. No.	Page No. 17
	Result 8- the operation of 481 multiplexer has been	verified.
	Precautions 8-	(%)
2.	Take care while supplying voltage to IC.	powel

* Block Diagram of 481 multiplexer



* Truth table of 4:1 multiplexer

Selection Lines		Output
s,	S _o	· A
0	0	I.o
0	١	I _o I _j
.1	0	I ₂
	1	I,

