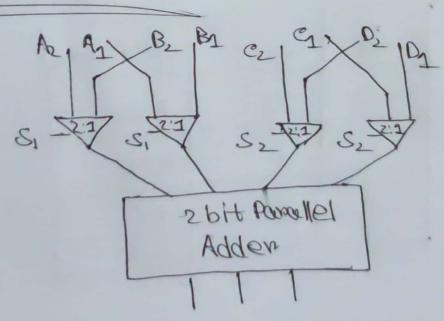
<u>CSE 760</u> <u>Labos</u>

- Næme as the Experiment: Design and Impletation of the 42 bit numbers and two selection. Variable.
- and for adding using 7483 2 bit parallel adder.

Required components and eaulpments:

i) 74183
ii) 74153
iii) Lep-Yellow
iv) Logle State.

Experimental Setup!



Result and discussion I we have 2 bit number (A,B,C,D) and two selection variable S1 and S2. S1 select Cithen A or Board Sz select either cor D. When SI value is a, then A is selected. When SI value is selected, then B is selected. Same as so =0, then e is selected and When $S_z = 1$; then D is selected. This selected 2 bit forcellel number poss into 2 bit parallel adder which add this two number and gives the output with 3 bit. Depending on the selection variable, the circult would WONL,

W			
	SI	Sz	openationa
	0	0	Ade
	O	1	A4D
	(0	Bte
	1	1	BHD

