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Ara:

1) Name of the Experiment: Parity Generator and Checker

12 Objective:

To design and implement an Even parity Generator and Even parity checker using XOR gates (IC-7486).

3) Required Components and Equipments.

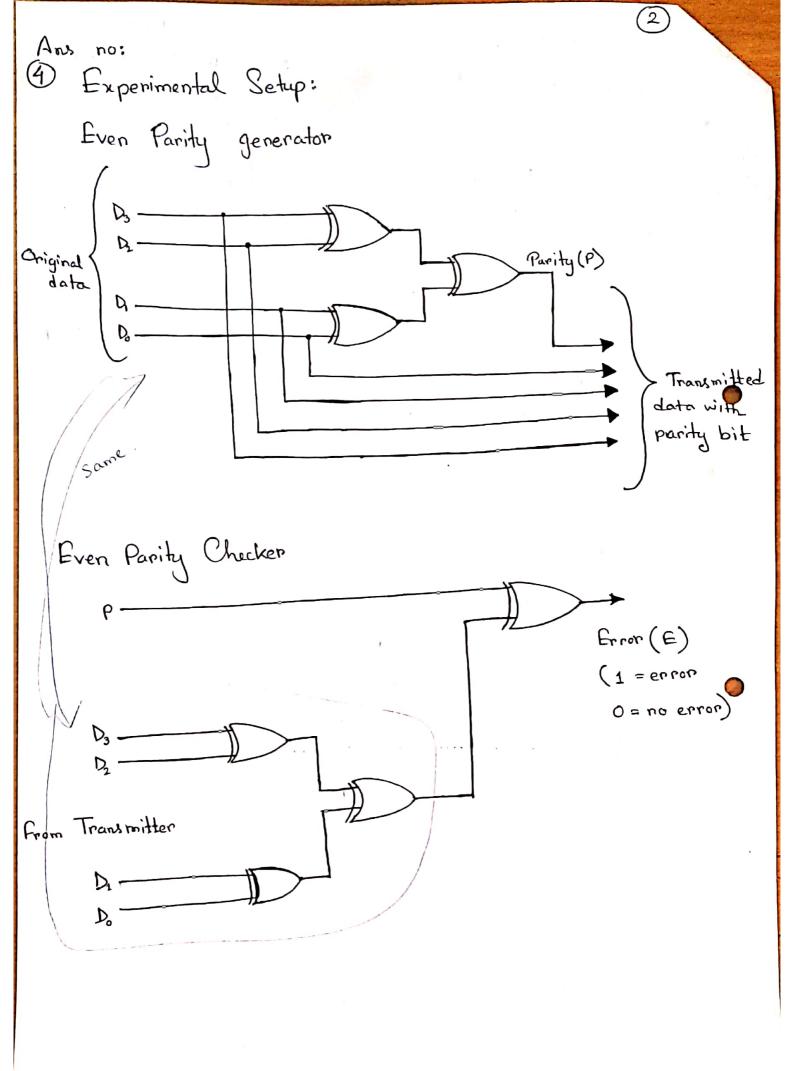
AT-700 Portable Analog / Digital Laboratory.

1. Logic Gates (XOR gates) mainly)

2. Trputs (using logic state)

3. LEDs (Blue and other colors)

4. Power Source.



5 Results in Tabular form:

Even Parity generator's outputs: -

1						- (out
	03	D2	D_i	D ₀	P	-) (vi)
(a)	0	1	1	1	1	, .
(b)	1	 O	0	1	0	
(c)	0	0	0	0	0	
(a)	0	1	. 6	0	1	

Even Parity Checker's outputs: -

P	D3	D ₂	D ₄	Do	Error	> (output)
0	1	0	1	0	0	
1	1	1	1	0	0	
1	1	1	1	1	1	
1	0	0	0	0	1	1

