EXPERIMENT NUMBER-35%-

TITLE: - Realization of Smift-Registor Circuit.

OBJECTIVE: - Realization of Shift-Registor Circuit,
(a) SISO, (b) SIPO, (c) PIPO, (d) PISO.

APPARATUS REQUIRED:-

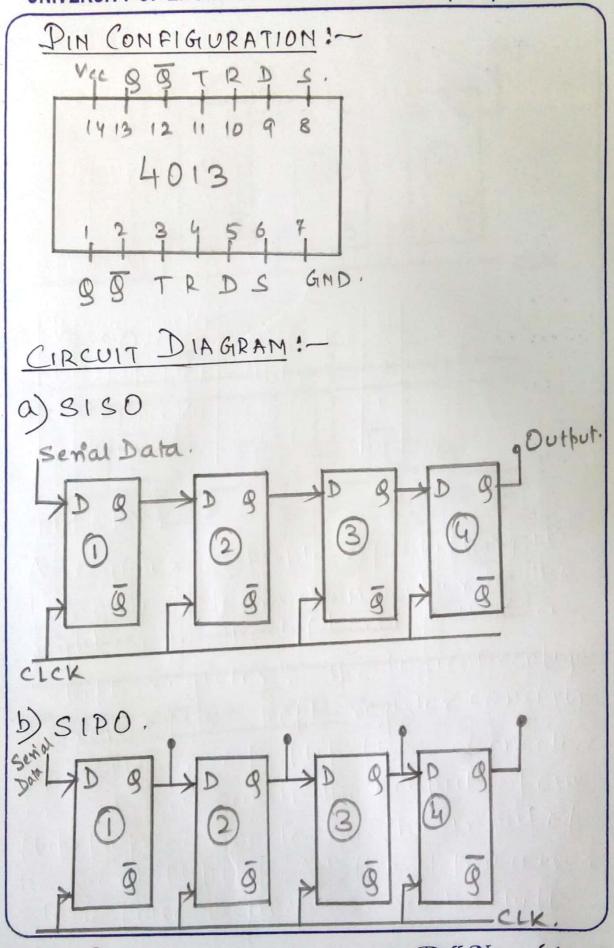
SII	Component's Name	Specification	917
1	DFlip-Flop	4013	2
1 1	Prainer Kit		1
3	Wires	-	bunch

THEORY:-

A register capable of shifting its binary information either to the binary information either to the right or to the left is called a right or to the left is called a whift register? The logical contiguration of a shift-register consists ration of a shift-register consists of a chain of flip-flops connected of a chain of flip-flops connected in cas cade, weith the output of one in cas cade, with the output of one the next flip flop. All flip-flop received clock pulse we will causes the shift.

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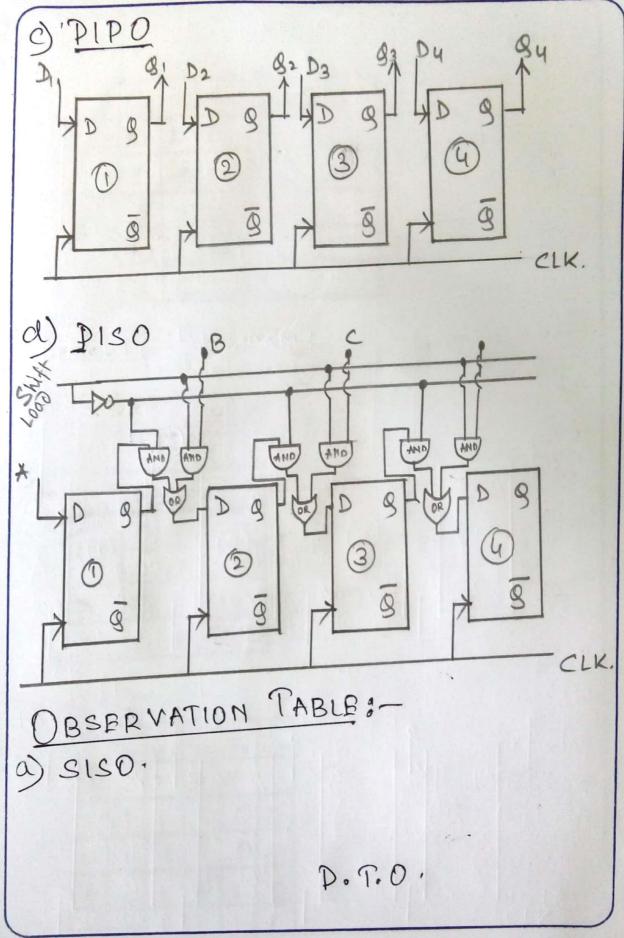


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a) siso.

CLK	91	92	93	94	Output
Initial	0	0	0	0	0
1	1	0	0	0	0
2	1	1	0	0	0
3	0	1	1	0	0
4	1	0	1	1	1

b) 31PO

			_	
CLCK	91	82	83	94
0	0	0	0	0
1	l	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1
5	0	0	0	0

O PIPO.

	C.Y	9,	92	93	94	Suther
	Trition	0	0	0	0	
I	1	1	1	0	0	0
I	2	1	1	L	0	0
I	3	1	t	1	1	0
ĺ	4	L	1	1	1	1.

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a) DISO.

-	cut	91	32	93	94	Outhor
	1	1	1	1	1	-
-	2	0	1		1	
1	8	0	0	1	1	1.
1	4	0	0	0	1	1
I	5	0	0	0	0	1
	6	0	0	0	0	0

CONCLUSION: With the help of this experiment, we came to know about different swift registor, and how they are made using 4013 fc and its different within them.

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