

COA Practical No. 6

Aim:- Verify Design and implement 8-bit Input/Output System with four 8-bit internal registers.

Equipment & component Required :-

S.No	Equipments	Specification	Quantity
1	Logic Simulator	-	1
2	D Flip Flop	IC 7474	2
3	OR Gate	IC 7432	1
4	IC TRAINER KIT	-	1
5	PATCH CORD	-	15

Theory:- A register is capable of shifting its binary information in one or both directions is known as shift register. The logical configuration of shift register consist of a D-Flip Flop cascaded with output of one flip flop connected to input of next flip flop.

Logic Diagram:-

