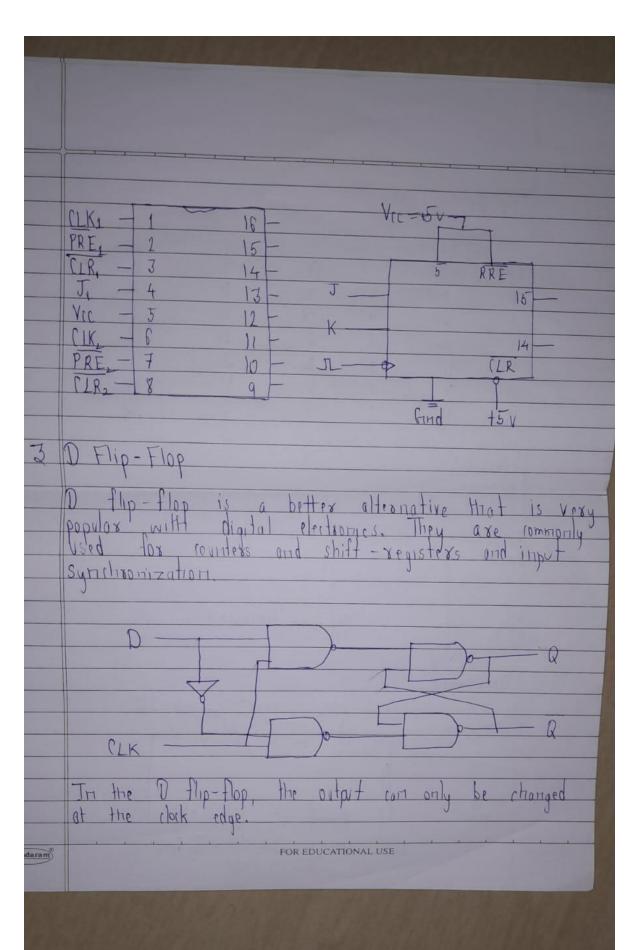
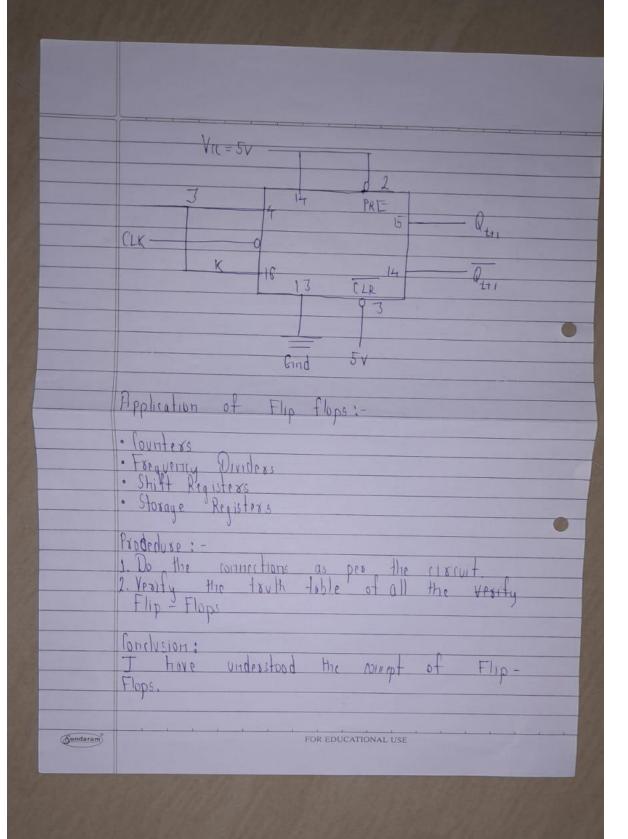
	Exp. 07
	Aim: To implement the circuit and to unsity the touth
	Component: IC7474, IC7476, power supply, CRO Theory:
	Rasically Flip-Flops are the histable multivalue that stores logic I and O. Shift resister memory and counters are built by using Fire-Flops. Seavential circuit Invachine) outputs depends on the present state and input applied at that instant.
	Types of flip flop 1. SR Flip Flop 2. JK Flip Flop 3. D Flip Flop 4. T Flip Flop
1	SR Flip Flop The most common flip flop is the SR flip flop This Simple flip flop circuit tras a set input so and a roset input (R) S - active a + tright Once the outputs are established the wixing of the circuit is maintained until 's' or R' go high, or power is turned off.
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		3
0		
	J-K Flip-Flop Due to the undefined state in the SR flip- This sim The input condition of J=K=1 gix an output invexting the output state. However the outputs give the same when one tests cixcuit partically. T simple woods, Tf J and K clato input are different to clack edge. If J and K are both low, the clack edge. If J and K are both low, the Trapet Outputs Present Clear CLK J K Q Q	flip, en x the
	H L X X X L H	
	H H D L L Q Q	
	H H D L H L H	
	H H Q H H Togyle	
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Trut !	h Tubi	٥ *			, ,
	TNPUT5	· ·	Outp	J+s	
PRE L H L		CIK D X X X X 1 L	Q H L H	L H H	
Symbo	H :-	1 X	Q	Q ₆	
Dat a-	0	Q	Output		
Clock		Q	Inverte d		
		DD 2 (LR 2D 3 + 13 12	1 10 9 8	/20	
2731)	1CLR	2 3 4 10 1 (4) 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PE 18 TO TO THE SUCATIONAL USE GIT	VD ' '	,

4	A flip-flop is like a JK flip-flop. Those ore basically single-input versions of JK flip-flop. The Has only one input along with the clock
	imput. Solly one imput along with the clock
	CIK
	Truth Table:
	T Q Q(tf1) 0 0 0 1 0 1 0 1 0
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SR & D Flip Flop using DIP switch

