Practical No.5

Ains:-Verify the excitation table of various FLIP-FLOPS.

Theory: - Flip-flops are synchronous bi-stable device. The term Synchronous means the output changes state only when the clock input is triggered. That is change in the adject oxceve in synchronization with the clock. A flip-flip circuit has ture infinite outputs; one for the loss normal value and one for the complement value of the stored bit. Since memory elements in sequential circuits are usually flip-flops, it is worth summarizing the behaviour of various flip flops types before proceeding further All flip-flops can be divided into four basis types !- SR, JK, D and T.

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Excitation Table :-

SR Flap-Folip:

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	D	1	1	0 0
	1	6	0	
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200	0	8']]	l K
	0	0	O	X K - Dorock
	0	1	1	X
	1	0	X	1 4
	, 1			1 Dolar S

JK FUP Flop!

D- Flip Flop 1-

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1	0	o doct
1	1	1 WR

7 - Flip Flop:-

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	ð	1	1	
	1	10	1 CP	75
	1	11	0	01