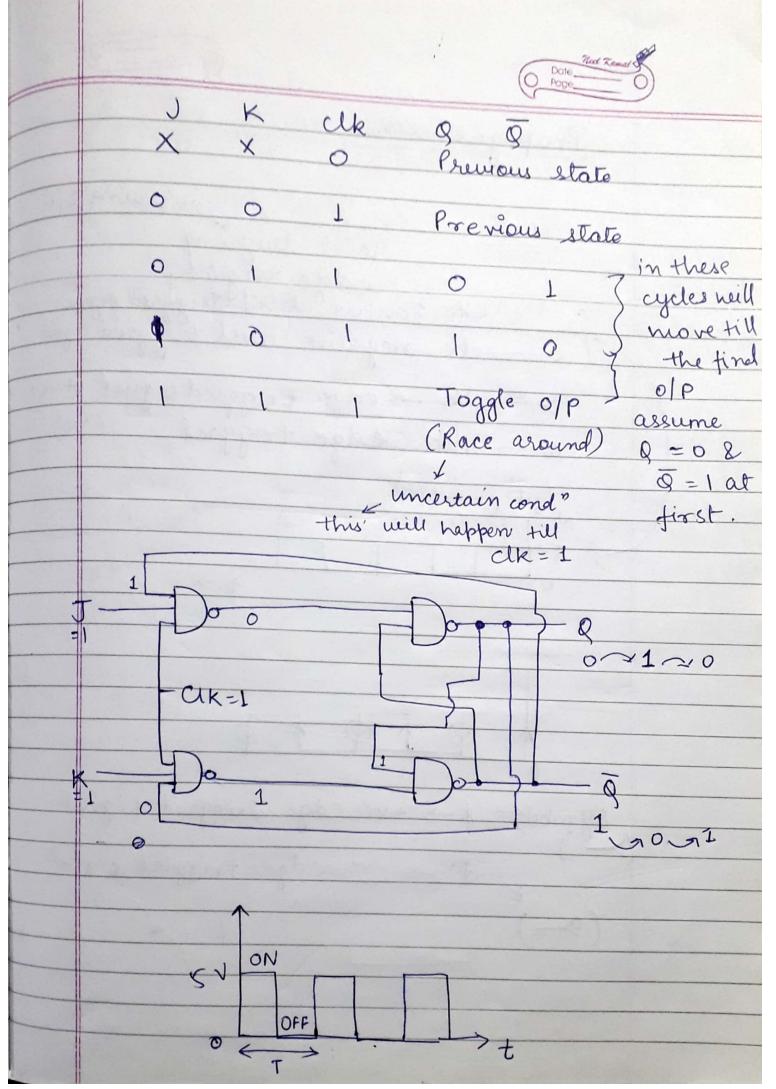
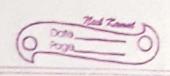


Scanned with CamScanner





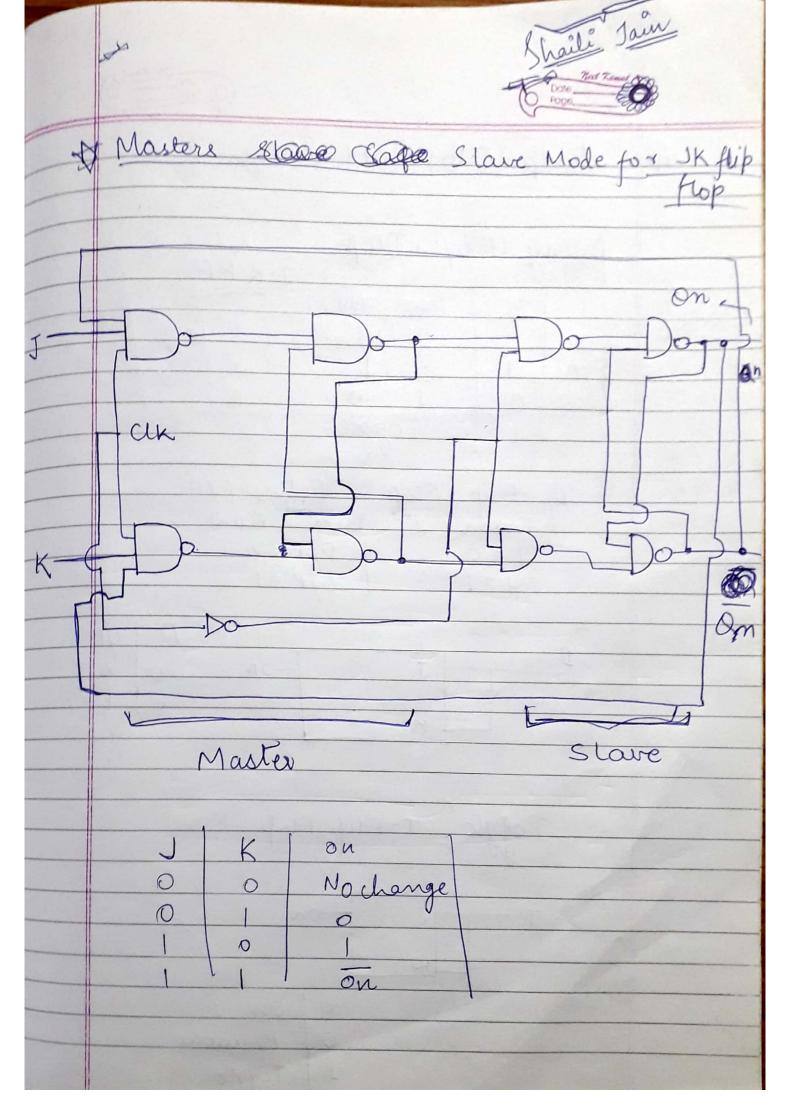
Propogation time

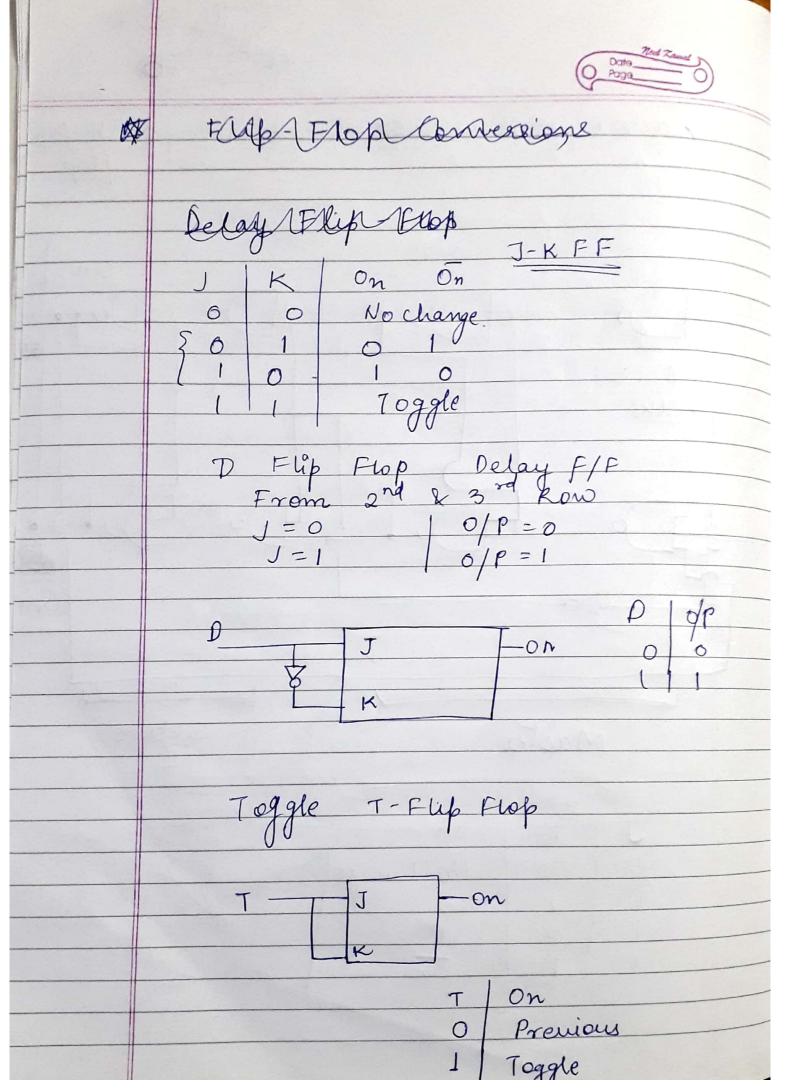
dock level trigging

edge trigging

cht Positive lebel triggred signal.

cht negative level triggred signal. clk -> edge triggred signed (+ve) .clk edge triggred of 51 the trigged edge triggred signal D -> - re edge triggred signal







Poge Poge
Flip-flop conversions
SR Flip-Flop to T flip flop
Truth table / Excitation lable for T-flip-flop Modified Present next Ton Quit! S R Sm Rm O O O O O O O O O I O O I O L O O O I O D O D O D O D O D O D
always see the next state 0/p
K-map for S K-map for R on 0 1 on 0 1 o 0 0 0 0 1 (X 1 0 3 1 0 0 0 3
$S = T \overline{Q}n$ $R = T \overline{Q}n$
T S on R On

			O Paga O			
SR	flip	'- flot	p to D-flip flop.			
					1 Madel	
D	On	on	15	R	Modifi S R	
0	0	0	0	1	1 6	
O			0	0	DX	
1	1	1	1	0	V 0	
4			0	0	X / O	
	1					
	0 .					