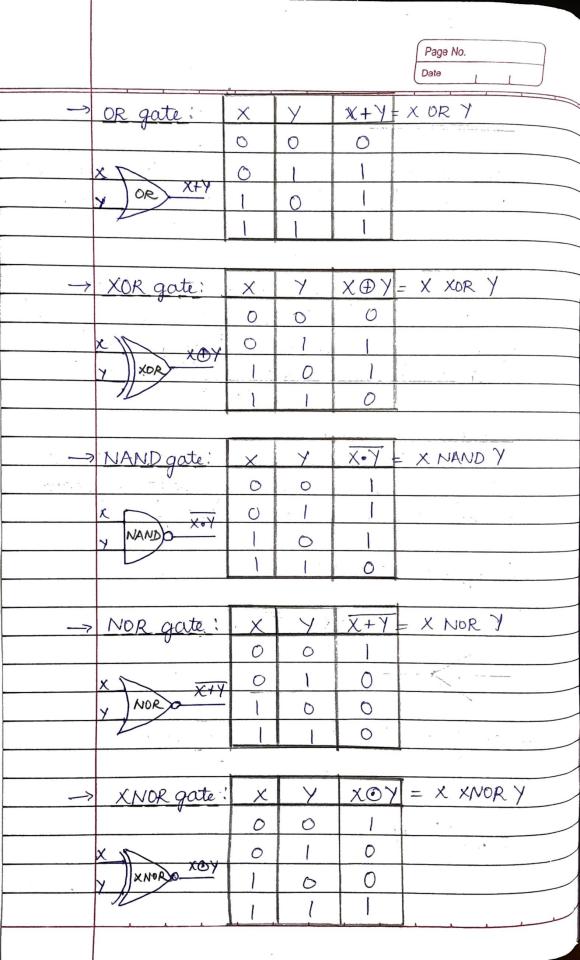
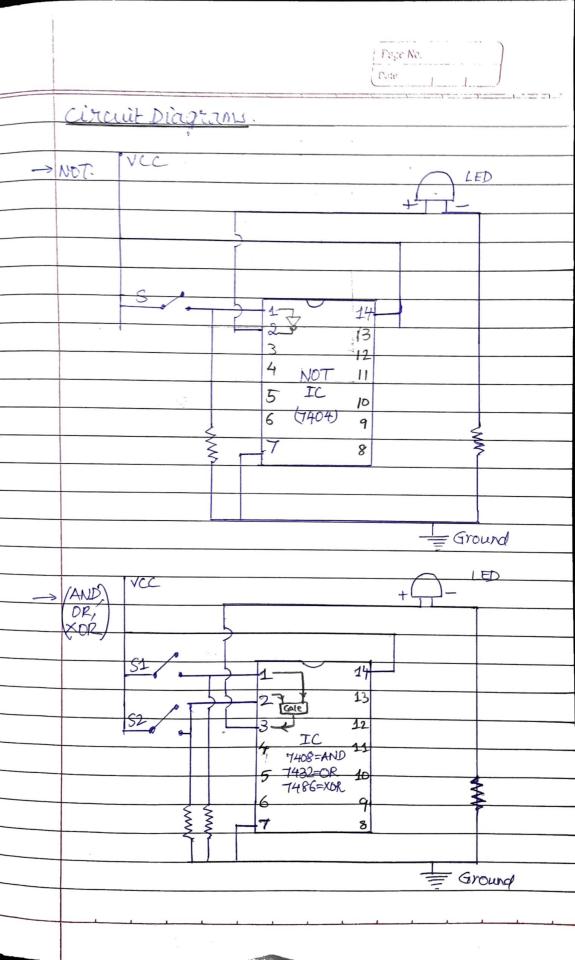
	DIGITAL CIRCUIT	TS LA	B		
					Page No. Date 17/12 Dell
	Experiment-1				
	Aim: Study of Digital ICs and basic concept				
	components like power supply, DSO etc.				
		'		. ,	0 /
	Summary:				
	Study of basic digital ICs and verifying				
	their functionality, learning the usage of				
	function generator (FG) and digital storage				
	oscilloscope (DSO) and rigging up of circuits				
	components used:				
	IC 7400,7408,7432,7486, 1KS nesistor				
	array, DIP switches, Learning usage of function				
	generat breadboard, power supply				
	Do was Drand				
	Design Procedu	ne:			
	NOT gate	X	X =	NOTX	
	NOT gate:	0	1	NOIN	
1,	X NOT X	1	0		
					**
	AND gate:	X	У	X. Y=	X AND Y
	J J	0	0	0	
	×	0	)	0	
	AND)	1	0	0	
	y I roll	1	1	l	
	:	,			
			•		4





	Page No. Date
	VCC LED
	+
	11 14
,	2 3 13
	S1,0 4 NOT 11
	5 IC 10
	52.   2 Gate 13 7 8
	IC !
	5 7432=0R 10 §
	7 1486-1461R 9
	Comund
1.	/NAND, NOR, KNOR)
	Results and Discussions.
1.	we can verify the outputs obtained using
•	truth tables.
2.	
	(NAND, NOR, XNOR) using the more basic
	logic gates (NOT, AND, OR, HOR)
	conclusion
_>	
	we have verified functionality of basic dignital integrated circuits (ICs)