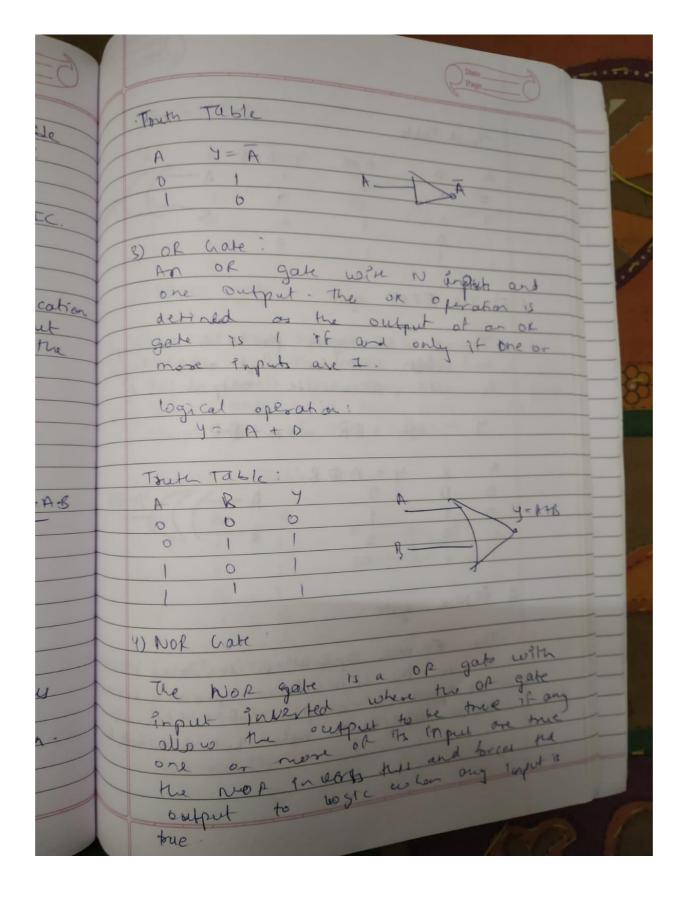


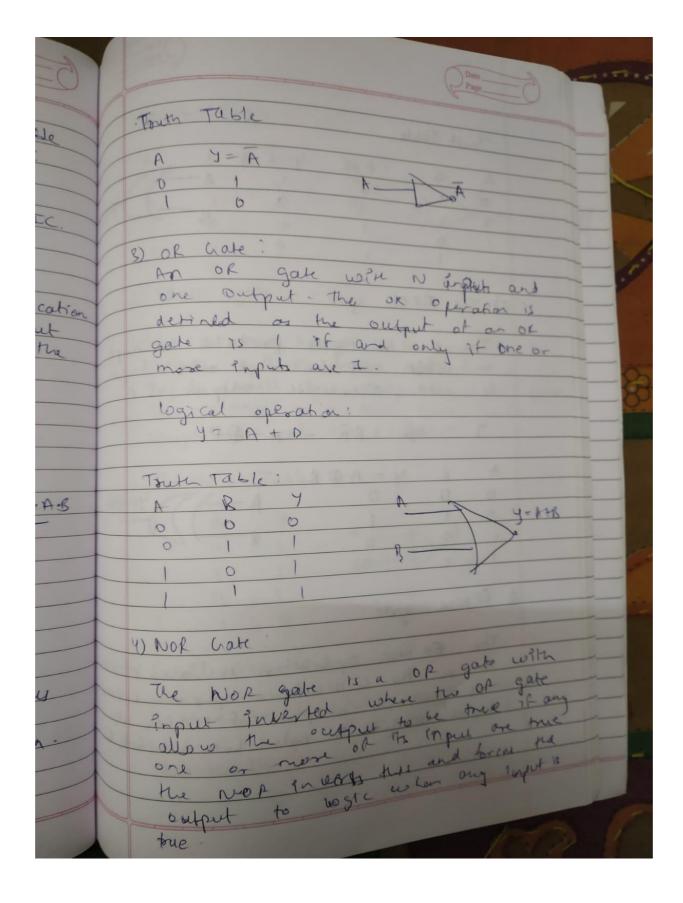
COMPUTER ENGINEERING

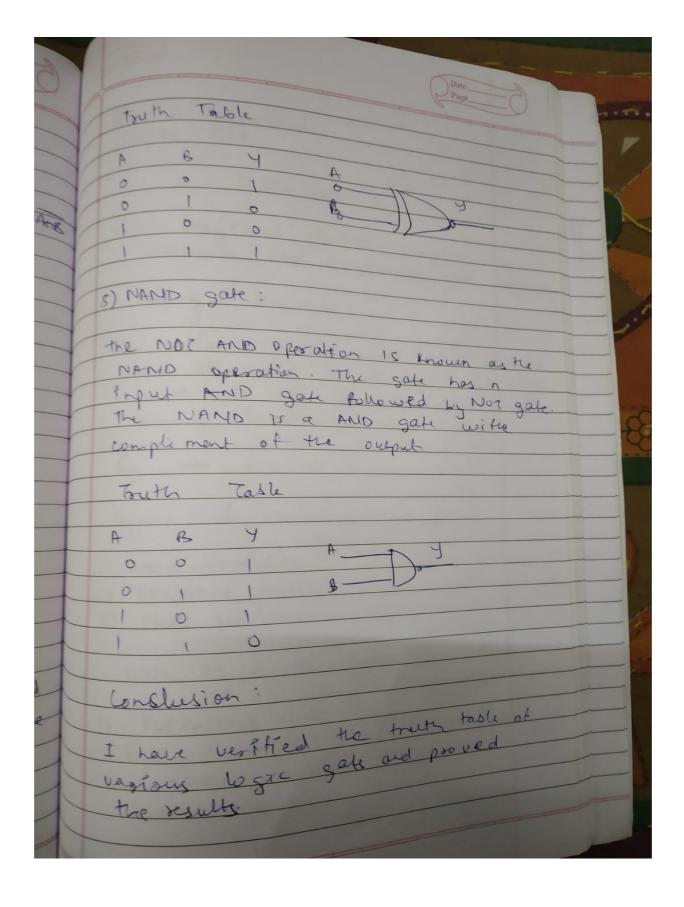
DLCA ODD SEM 2021-22/EXPERIMENT 1

NAME:- GAURAV AMARNANI (D7A. 67)

	DLCOA Experiment 1.
	Name: Gaurau Amarani.
_	Class: D2A, Roll No. 67.
	TOURS OF THE PROPERTY OF THE P
	As i To all and reside the touth to
	Aim: To study and verify the truth table of various logic gates using IC
	or various agre gains asing to
	TI - TILL I I HONGE HICKEN
·	Theory: To study and vesify the truth table of various logic gates using IC
Q	table of various agic gates using to
<u> </u>	
	1) AND Gate:
	the AND gate performs logical multiplication
	The output is high when all input is high and low if any one of the input is low logical AND function.
	is high and low it any one of the
	input is low logical AND function.
	$Y = A \cdot B$
1	Touth Table
	A B Y= A·B
~~	A
~~	0 1 0
~~	
~~	
~~	2) NOT hate
~~	The aver also bed
~	the NOT gate performs inverting or complementing operation. It is thus as invester. Then output is high when imput is low and vice versa: logical NOT operation: y = A = A
~	Conflementing operation. It is thus
\	·as invester, then output is high
	when input is low and vice work
\	Logical 100 (openion!
	J = A - A
1	

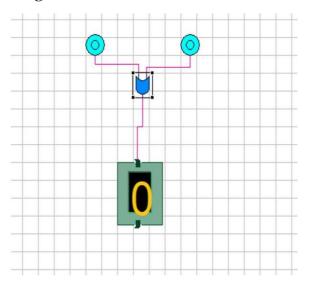


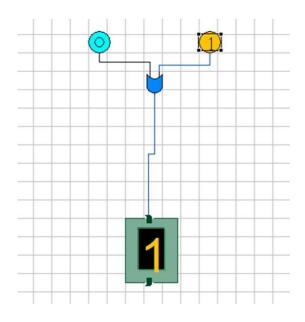


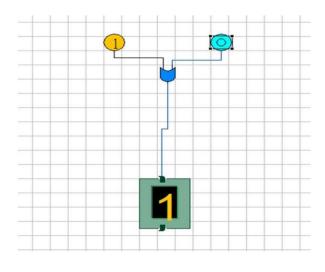


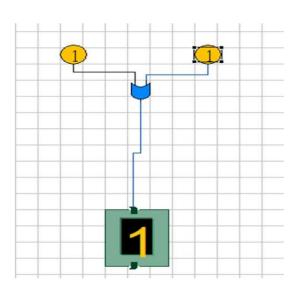
OUPUT:

Or gate:

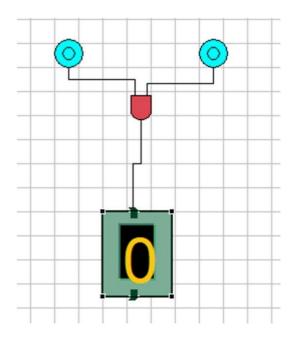


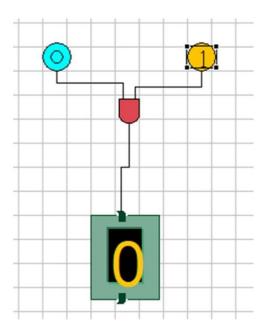


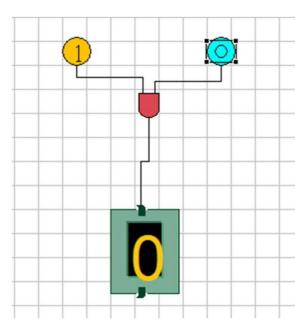


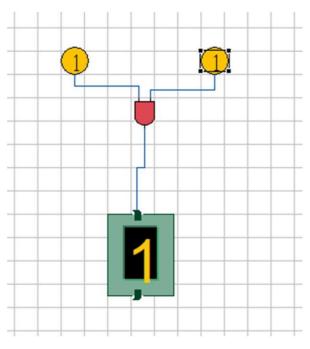


And Gate

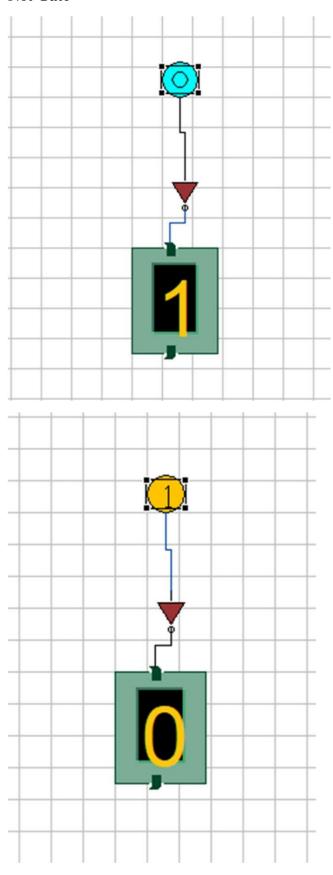




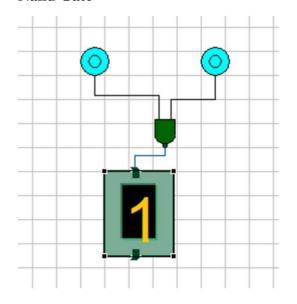


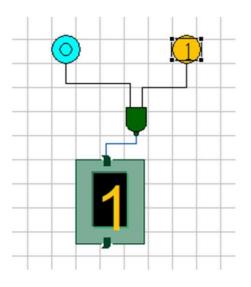


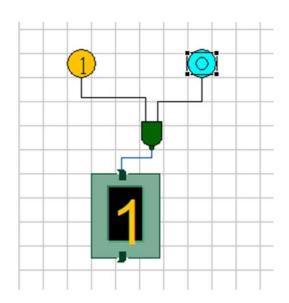
Not Gate

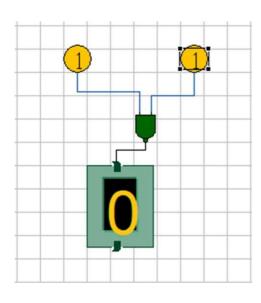


Nand Gate

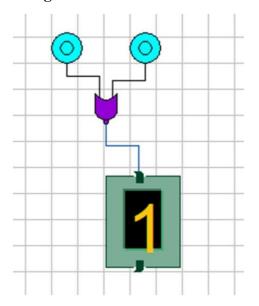


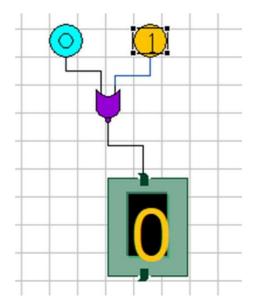


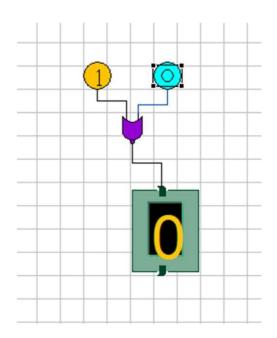


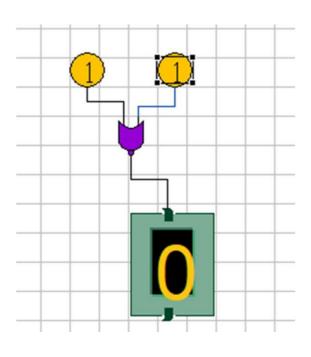


Nor gate

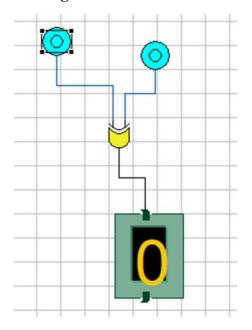


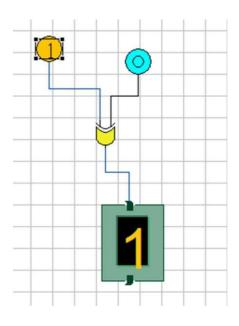


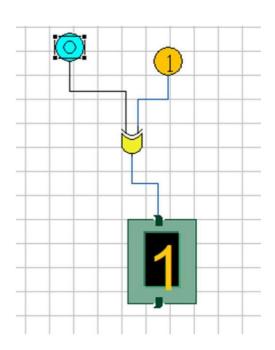


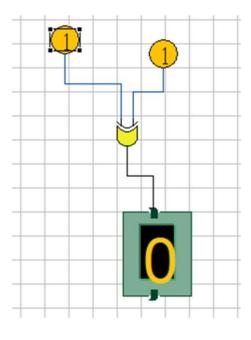


Ex Or gate









Ex nor gate

