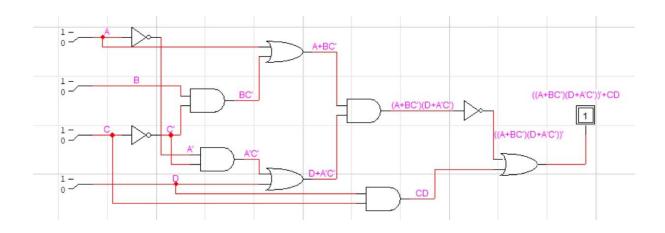
NAME: MAHAD SHAHNAWAZ

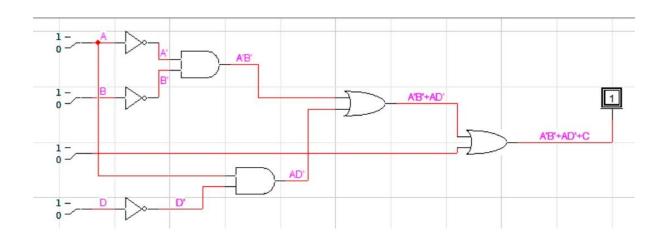
ROLL NO. : 24K-3057

DLD LAB TASK 2:

QUESTION: 01



QUESTION: 02



TRUTH TABLE AND TIMING FIGURE (QUESTION 1):

		ar	10 1	1								
	9		3 (D	Ā	5	A+ BT	ALBE	D+AT	D+ AC		(A+8E)(D+AE)+CD
			0 0		1	1	0+0=0	1	0+1=1	0	0	0 40 =0
			0 0	1	1	1	0+0=0	1	1+1=1	0	0	0 + 0 = 6
	0		1		1	0	0.0=0	1	0+0=0	1	1	1 + 0 = 1
	0	0	1	1	1	0	0.0.0	1	1+0=1		0	0 + 1 = 1
		1	0	0	1	1	0+1=1	0	0+1=1	0	0	0 1 0 = 0
	0	1	0	1	1	7	0+1=1	0	1+1=1	0	0	0 + 0 = 0
	0	1	1	0	1	0	0+0=0	1	0+0=0	1	1	1 + 0 = 1
	0	1	1	1	1	0	0+0=0	1	1+0=1	0	0	0 + 1 = 1
	1	0	0	0	0	1	1+0=1	0	0+0=0	1	0	0 + 0 = 0
	7	0	0	1	0	1	1+0=1	0	1+0 =1	0	0	0 + 0 = 0
	1	0	1	0	0	0	1+0=1	0	0+0=0	1	0	0 ± 0 = 0
	1	0	1	1	0	0	1+0=1	0	1.0=1	0	0	0 + 1 = 1
	1	1	0	0	0	1	1+1=1	0	0+0=0	10	0	0 + 0 = 0
	1	1	0	1	0	1	14 7= 1	6	1+0=1	0	0	0+0=0
	1	1	1	0	0	0	1+0=1	O	0+0=0	1/	0	0+0=0
	1	1	1	1	0	0	1+0=1	0	140= 1	0	0	0 + 1 = 1
	A								-	10 de		
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7 6					-			7	5			
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(0+	82)	DH			Accessor	and a		part of the	and the same of	-	7	1
(A+B	0)1		12)4	60	-	-			-		Annual Control of the last of	

TRUTH TABLE AND TIMING FIGURE (QUESTION 2):

- (200	1 7	-		-						
	A	B	C	D	Ā	B	D	AB	AD	AR + AD	AR+ AD+ C
	0	0	0	0	1	1	1	1	0	1	1
	0	0	0	1	1	1	0	1	0	1	1
	0	0	1	0	1	1	1	1	0	1	1
	0	0	1	1	1	1	0	1	0	1	1
	0	1	0	0	1	0	1	0	0	0	0
	0	1	0	1	1	0	0	0	0	0	0
	0	1	1	0	1	0	1	0	0	0	1
	0	1	1	1	١	0	0	0	.0	0	1
	1	0	0	0	0	1	1	0	1	1	1
	1	0	0	1	0	7	0	0	0	0	0
	1	0	1	0	0	1	1	0	1	1	1
	1	0	1	1	0	1	0	0	0	0	1
	1	1	0	0	0	0	١	0	1	1	1
	1	1	0	1	0	0	0	0	0	0	0
	1	1	1	0	0	0	1	0	1	1	1
	1	1	1	1	0	0	0	0	0	0	1
ABCAA			7	T.			1		7		
	A A A A					7					