Examen Portal Projector Logica

1.1.1.

a) 
$$2dt_{(16)} \rightarrow 2.16^{2} + 13.16^{1} + 7.16^{0}$$

$$\rightarrow 72t_{(10)}$$

$$+2t_{(10)} \rightarrow 1011010111_{(2)}$$

$$+2t_{(10)} \rightarrow 101101011_{(2)}$$

$$+2t_{(10)} \rightarrow 1011011_{(2)}$$

$$+2t_{(10)} \rightarrow 1011011_{(2)}$$

$$+2t_{(10)} \rightarrow 1011011_{(2)}$$

$$+2t_{(10)} \rightarrow 101101_{(2)}$$

$$\begin{array}{ll} L & X + y = X + [y]_2 = X + [y]_1 + 1 \\ & \left[ 00100010 \right]_2 = \left[ 00100010 \right]_1 + 000000001 \\ & = 11011101 + 000000000 \end{array}$$

= 11011110

=) = 11111001  
Jor daca facem complemental  
Jola de 2 rêmapois vom arria  

$$[011111001]_{1}+1 = 111_{(2)}^{2}-7(10)$$

$$-13.8 \pm 5_{(10)} = 1101.111 = 2^{3} \left(1 + 2^{-1} + \overline{2}^{3} + 2^{-4} + 2^{-5} + 2^{-6}\right)$$

$$m = 1011110000$$

3 
$$S = \sum_{i} (0,2,4,5,8,5,A,B)$$

#	A	B	C	10	IY	
0	0	Q	0	0	1	7CD = Z(0,2,4,5,8,9,A,B)= m(0,2,4,5,
1	0	0	0	1	0	
2	0	0	1	0	4	8,9,A,B)
3	0	0	1	1	0	
4	0	1	0	010101010101	1	= ABCD + ABCD + ABCD + ABCD + ABCD
5	0	1	0	1	1	
6	0	1	1	0	0	+ ABOD + ABOD + ABOD
1	0	1	1	1	0	
8	1	0	0	0	1	FCC = T(1,3,6,7,C,D,E,F)=
3	1	0	0	1	1	MILLERYCACE
A	1	0	1	0	1	M(1,3,6,7,C,D,E,7)
B	1	0	1	1	1	-11/
C	1	1	0	0	0	= (A + B + C + D) (A + B + C + D) (A + B + C + D) $(A + B + C + D) (A + B + C + D) (A + B + C + D)$
٥	1	0	0	1	0	
E	,	7	1	0	0	(A+B+C+D) (A+B+C+D) (A+B+C+T)
+	,	,		. ,	0	1015.3.115.3
_	1	1	1	1 1	O	(A+B+Z+B) (A+B+Z+B)
- 1						

#	A	8	C	0	Y	7CC=T(4,6,C,E) = M(4,6,C,E)
0	0	0	0	0	1	
0	0	0	0	1	1	$= (A+\overline{B}+C+D)(A+\overline{B}+\overline{C}+D)(\overline{A}+\overline{B}+C+D)$
2	6	0	1	0	1	( +B +C+D) ( 4+B +C+D)
3	0	0	1	1	1	$(\overline{A}+\overline{B}+\overline{C}+\overline{D})$
4	0	1	0	0	0	
5	0	1	0	1	1	TCA - 5/6/23 5 M 20 0 0 0 1 1
6	0	1	1	0	0	7CD = Z( 0,1,2,3,5, 1,8,9, A,B, D, 7)
*	0	1	1	1	1	= m (0,1,2,3,5, 7,8,9,A,B,D,7)
8	1	0	0	0	1	(0,1(13,3,4,0,3,4,0,4)
9	1	0	0	1	1	= 0000 = 0000
A	1	0	1	0	1	= ABCD + ABCD + ABCD + ABCD + ABCD+
B	1	0	1	1	1	4820 + 4820 + 48CD + 48ED + 48ED
c	1	1	0	0	6	THE CD THECD
0	1	1	0	1	11101011111010	+ ABCD
6	1	,	d	6	0	
E	•					

