

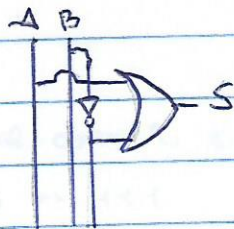
## LISTA VII -

## MAXTERMO

1.

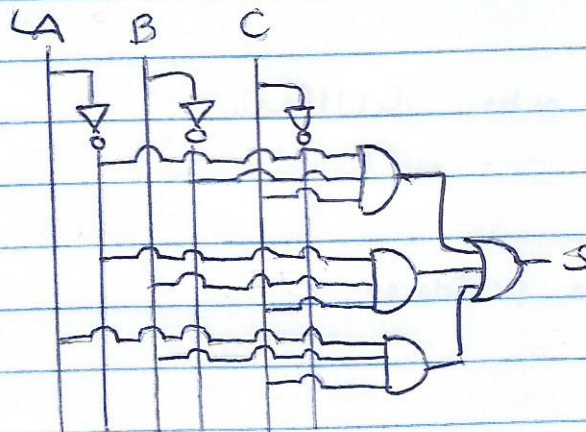
a)  $A \ B \ S \quad S = A + \bar{B}$

0	0	1
0	1	0
1	0	1
1	1	1



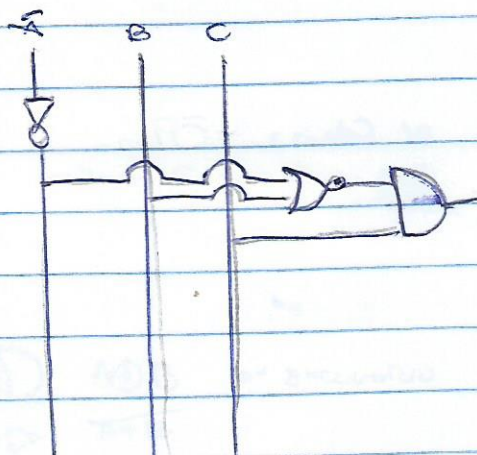
b)  $A \ B \ C \ S \quad S = (\bar{A} \cdot \bar{B} \cdot C) + (\bar{A} \cdot B \cdot \bar{C}) + (A \cdot B \cdot C)$

0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

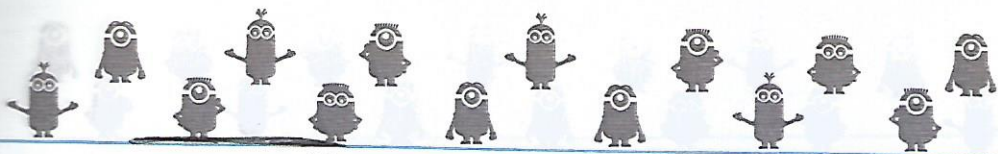


2. a)  $S = (\bar{A} + \bar{B}) \cdot C$

A	B	C	$\bar{A}$	$(\bar{A} + \bar{B})$	S
0	0	0	1	0	0
0	0	1	1	0	0
0	1	0	1	0	0
0	1	1	1	0	0
1	0	0	0	1	0
1	0	1	0	1	1
1	1	0	0	0	0
1	1	1	0	0	0

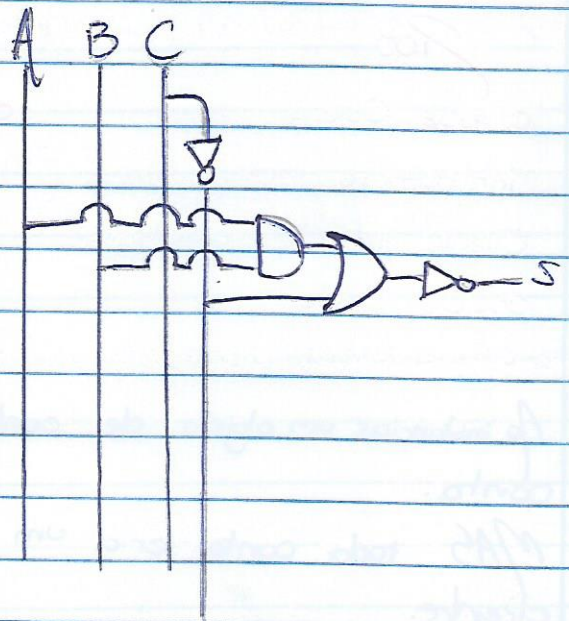




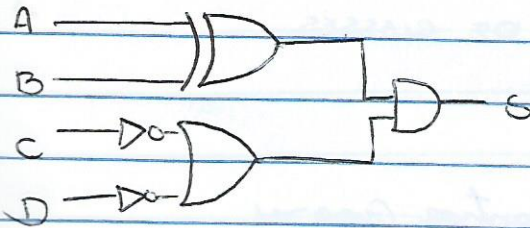


Q. b)  $S = (A \cdot B) + \bar{C}$

A	B	C	$\bar{C}$	$(A \cdot B)$	$(A \cdot B) + \bar{C}$	$\bar{S}$
0	0	0	1	0	1	0
0	0	1	0	0	0	1
0	1	0	1	0	1	0
0	1	1	0	0	0	1
1	0	0	1	0	1	0
1	0	1	0	0	0	1
1	1	0	1	1	1	0
1	1	1	0	1	1	0



3. a)  $S = (A \oplus B) \cdot (\bar{C} + \bar{D})$  A B



b)  $S = (\bar{A}B) + (C \oplus D) + \bar{E}$

