

Digital Electronics

03/10/22 Quiz #6 :

1) decoder :  $n=2 - 2n, n \leq 3$

	x	y	z	xy	xz	xyz	f
1	0	0	0	0	0	0	0
2	0	0	1	0	1	0	1
3	0	1	0	1	0	0	1
4	0	1	1	1	1	0	1
5	1	0	0	0	0	1	3
6	1	0	1	0	0	0	4
7	1	1	0	0	0	0	5
8	1	1	1	0	0	0	6
9							7

2)  $x \quad w_0$   
 $y \quad w_1$   
 $z \quad w_2$   
 $E_n \quad$

$3 \times 8$

