O. Row echelon form...
$$R_z \rightarrow R_z + R_1$$

 $\begin{cases} 1 & 0 & 0 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 & 1 & 1 \end{cases}$ $\begin{cases} \chi_1 = \chi_4 + \chi_5 + \chi_6 = \chi_4 + \chi_2 = \chi_4 + \chi_3 \\ \chi_2 = \chi_5 + \chi_6 \end{cases}$
 $\begin{cases} 0 & 1 & 0 & 1 & 1 \\ 0 & 0 & 1 & 1 \end{cases}$ $\begin{cases} \chi_2 = \chi_5 + \chi_6 \\ \chi_3 = \chi_5 + \chi_6 = \chi_6 \end{cases}$

X4	χ_{5}	X	α	Xz	¥3
0	0	Ø	0	0	0
0	0	1	1	1)
0	1	0	1	1	1
0	J	1	0	0	0
)	٥	O	1	0	0
)	0	(0	})
)	1	φ	0	1	1
1))	1	0	0
Jo bear a to at					

(ode word: \$00000, 111001, 111010, 000011, 100100, 011101, 011101, 100101)

b. Minimum distance is the codeword with least amount of 15 (axcliding 0) $\rightarrow 000011$ $\rightarrow \delta = 2$