

الف) $(10011100)_{\text{signed}} = (01100011)_{\text{signed Binary}} = (+99)_{10}$

$64 + 32 + 3 = 99$ **+4**

سوال ٣

ب) $(10011100)_{\text{signed}}$

-99

$$\begin{array}{r} 10011100 \\ - 10011100 \\ \hline 1 \end{array}$$

$10011011 \Rightarrow (01100100)_{\text{signed Binary system}} = (+100)_{10}$

$64 + 32 + 4 = 100$ **+4**

ج)

~~$(10011100)_{\text{signed}}$~~

-100

$(100110100)_{\text{signed}} = (190)_{10}$

$128 + 62 = 190$ **+6**

د)

100110100

$$\begin{array}{r} 10011 \\ - 10011 \\ \hline 10010 \end{array}$$

$(10010)_{\text{signed}} \Rightarrow (0110101)_{\text{signed}}$

$1 + 4 + 1 = 6$

$(+130)_{10}$

-6

-3.125