2)   10100011

-4

-116

الف)   01011100 → 64+16+8+4 = 92 ← دهدهی

-4

$10100011 = (-92)_{10}$

ب) $-2 \times 10^7 + 2 \times 10^5 + 2 + 1 = -128 + 32 + 2 + 1 = (-93)_{10}$

-117

ج) $\underbrace{1010}_{8+2} . \overset{-1 \; -2 \; -3 \; -4}{0011}$ **-6** $\to 2^{-3} + 2^{-4} \to \frac{1}{8} + \frac{1}{16} = \frac{2+1}{16} = \frac{3}{16} = 0.1875$

$(10 . 1875)_{10}$

8.6875

د) $\underbrace{1010}_{-8} . 0011$ علامت دار   **-6**

$-8 + 2.1875 = (-5.8125)_{10}$

-7.3125