$(10100011)_2$

1's complement $= +0\,1011100 = 2^6+2^4+2^3$

2^2

$64+16+8+4$

$= 92$

+4

(الف)

2's complement $= +0\,1011101 = 2^6+2^4+2^3$

2^2+1

$= 93$

+4

(ب)

ج) $101.100011 = 5 + \frac{1}{2} + \frac{1}{32} + \frac{1}{64}$

$5 + \frac{35}{64}$

-6

د) $-10110.011 = 01001.101 = -9.625$

-2 +3 +1

$-2^4 + 2^3 + 2^1 + 2^{-2} + 2^{-3}$

$-16 + 4 + 2 + \frac{3}{8} = -9.\frac{5}{8}$