

99463138

رائیہ بابا حسنی

(2)

10011100

a)  $\hat{1}01100011 = -(2^6 + 2^5 + 2^1 + 2^0) = 64 + 32 + 2 + 1 = (-99)_{10}$

+4

b)  $\hat{1}01100100 = -(2^6 + 2^5 + 2^2) = 64 + 32 + 4 = (-100)_{10}$

+4

c)  $1001,1100 = 9 + 2^{-1} + 2^{-2} = 9 + \frac{1}{2} + \frac{1}{4} = 9,75$   
 $(1001)_2 = (9)_{10}$

+6

d)  $1001,1100 \xrightarrow{2^2 \text{com}} \hat{1}0110,0100 = -(6 + 2^{-2}) = -6,25$   
 $(110)_2 = (6)_{10}$

+6