

حل ①

$$\text{الف) } (10100011)_2^9 \Rightarrow (0101100)_2 = (92)_{10} \\ = (-92)_{10}$$

+4

$$\text{ب) } (10100011)_2^9 = (-95)_{10}$$

-93

$$\hookrightarrow (01011111)_2 = (95)_{10}$$

-4

$$\text{ج) } (1010.0011)_2 = (10.1875)_{10}$$

$\begin{matrix} \nearrow & \nwarrow & \nearrow & \nwarrow \\ p^3 & & p^1 & \\ & & & \\ & & p^{-3} & p^{-4} \end{matrix}$

+6

$$\text{د) } (1010.0011)_2^9 \Rightarrow (0110.1111)_2^9$$

+1

$$\hookrightarrow (-6.9375)_{10} = (6.9375)_{10}$$

-5.8125

-5