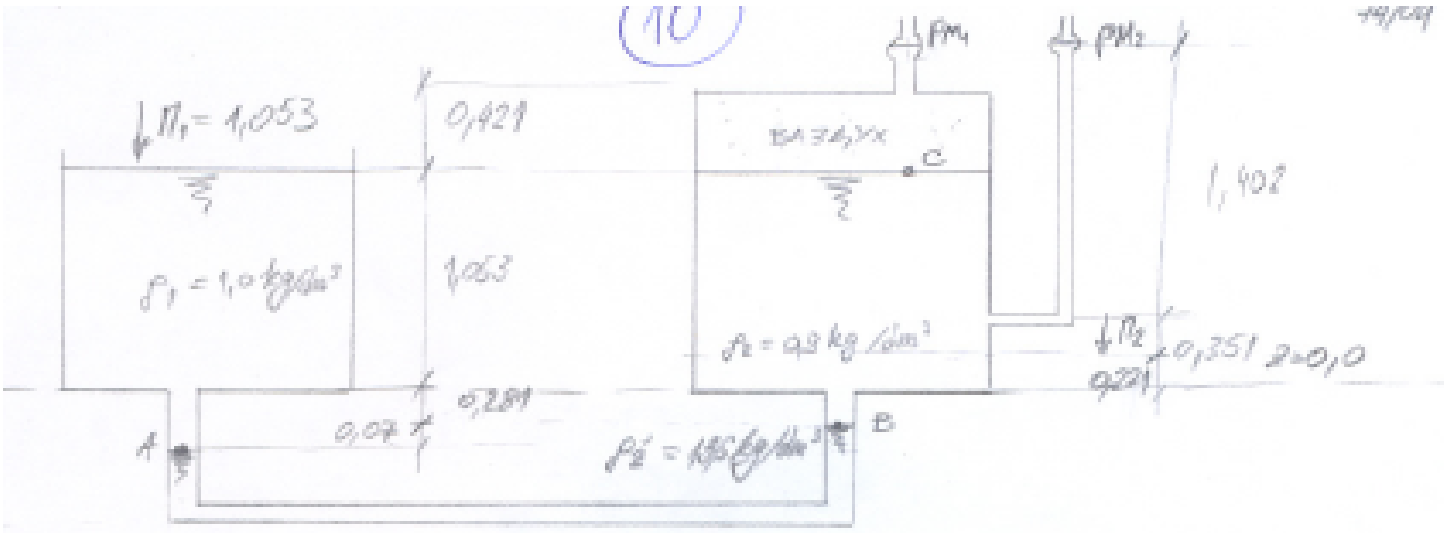
(10)



$$\Pi_1 = \frac{0}{\rho_1 g} + z_1 = 1{,}053$$

$$\left.\begin{aligned} p_A &= \rho_2 g(\Pi_2 - z_A) \\ p_B &= \rho_3 g(\Pi_2 - z_B) \end{aligned}\right\} \Rightarrow p_A - p_B = \rho_3 g(\Pi_2 - z_A - \Pi_2 + z_B)$$

$$p_A - p_B = \rho_3 g(-z_A + z_B)$$

$$= 13{,}6 \cdot 9{,}81 \cdot 0{,}07 = 9{,}34\ kPa$$

$$p_A = \rho_1 \cdot g(\Pi_1 - z_A) = 9{,}81 \cdot 1{,}404 = 13{,}77$$

$$p_B = 13{,}77 - 9{,}34 = 4{,}43$$

$$\Pi_2 = \frac{p_B}{\rho_3 g} + z_2 = \frac{4{,}43}{0{,}9 \cdot 9{,}81} - 0{,}281 = 0{,}221$$ (20)

$$p_C = \rho_2 g(\Pi_2 - z_C) = -7{,}34\ kPa$$

$$p_{M_1} - p_a = -7{,}34\ kPa$$ (5)

$$p_{M_2} = \rho_2 g(\Pi_2 - 1{,}753) = 0{,}9 \cdot 9{,}81(0{,}221 - 1{,}753) = -13{,}52\ kPa$$ (5)