REŠENJA ZADATAKA

1. KOLOKVIJUM

2.

$$v_I(t) = \begin{cases} 0.635\text{V} = const, & za\ t < 0 \\ 0.727\text{V} + 0.069 \cdot e^{-\frac{t}{118.44\mu s}}, & za\ t > 0 \end{cases}$$
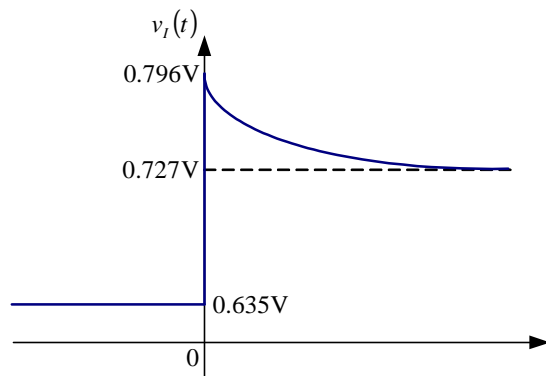
2. KOLOKVIJUM

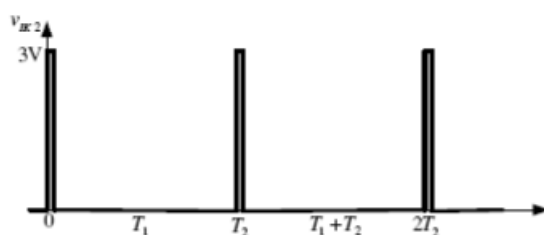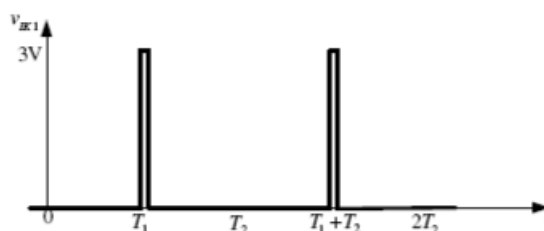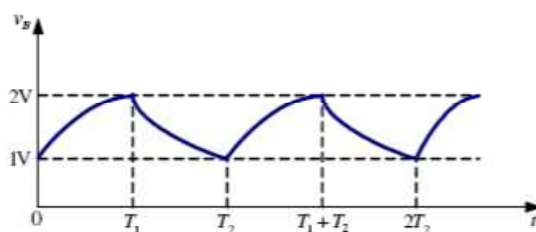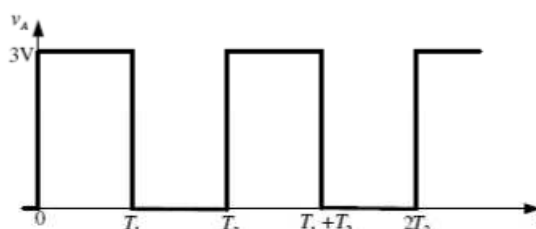**2.** $v_B(t) = 3\text{V} - 2\text{V} \cdot e^{-\frac{t}{100\mu s}}$, za $0 < t < T_1$

$v_B(t) = 2\text{V} \cdot e^{-\frac{t-T_1}{100\mu s}}$, za $T_1 < t < T_2$

$T_1 = 69{,}3\mu s$

$T_2 = 138{,}6\mu s$

$f = \dfrac{1}{T_2} = 7{,}21\text{kHz}$

3. KOLOKVIJUM

2. $R_D = 10\text{k}\Omega$, $R_0 = 76\text{k}\Omega$, $R_1 = 33\text{k}\Omega$, $R_2 = 10,5\text{k}\Omega$, $R_3 = 750\Omega$