

$$1) C = 100 \text{ nF}, R = 10 \text{ K}\Omega : \underline{4.9 \text{ ms}}$$

$$5RC = 5 (10 \times 10^3) \times (100 \times 10^{-9}) = 5 \times 10^{-3} \quad \left. \vphantom{5RC} \right\} =$$

$$2) \quad 5RC = \begin{cases} 4.6 \mu\text{s} \xrightarrow{=} 1 \text{ K}\Omega \\ 1.1 \text{ ms} \xrightarrow{=} 22 \text{ K}\Omega \\ 1.48 \text{ ms} \xrightarrow{=} 33 \text{ K}\Omega \end{cases}$$

$$3) \quad 1) C_1 = C_2 = 100 \text{ nF} : t_1 = 840 \mu\text{s} \quad 2) C_1 = 10 \text{ nF} : t_2 = 188 \mu\text{s}$$

$$N_1 = 1.42 \text{ V} \quad C_2 = 100 \text{ nF} \quad N_2 = 2 \text{ V}$$

$$3) C_1 = 100 \text{ nF} : t_3 = 220 \mu\text{s}$$

$$C_2 = 10 \text{ nF} \quad N_3 = 324 \text{ mV}$$

$$4) \quad 1 \text{ K}\Omega \text{ مقادیر : } 95 \mu\text{s}$$

$$15 \text{ K}\Omega \text{ مقادیر : } 58 \mu\text{s}$$