

ΕΝΔΕΙΚΤΙΚΕΣ ΑΠΑΝΤΗΣΕΙΣ

ΘΕΜΑ 2^ο

1. $I_o = 10A$

2. $I_{\varepsilon\nu} = \frac{I_o}{\sqrt{2}} = I_{\varepsilon\nu} = \frac{10}{\sqrt{2}}A$

3. $\omega = 2\pi \cdot 50 \text{ rad/sec}$

4. $\omega = 2\pi \cdot f \Rightarrow f = \frac{\omega}{2\pi} \Rightarrow f = \frac{2\pi \cdot 50}{2\pi} \Rightarrow f = 50 \text{ Hz}$

5. $T = \frac{1}{f} \Rightarrow T = \frac{1}{50} \Rightarrow T = 0,02 \text{ sec}$

6. $\varphi = 0^\circ$