

Θέμα 4^ο

$$\alpha) f = \frac{p \cdot n_s}{60} \Rightarrow f = \frac{1 \cdot 3000}{60} \Rightarrow f = \frac{3000}{60} \Rightarrow f = \frac{300}{6} \Rightarrow \mathbf{f = 50 \text{ Hz}}$$

$$\beta) T = \frac{1}{f} \Rightarrow T = \frac{1}{50} \Rightarrow T = \frac{2}{100} \Rightarrow \mathbf{T = 0,02 \text{ sec}}$$

$$\gamma) \omega = 2 \cdot \pi \cdot f \Rightarrow \omega = 2 \cdot 3,14 \cdot 50 \Rightarrow \omega = 3,14 \cdot 100 \Rightarrow \mathbf{\omega = 314 \text{ rad/sec}}$$