

الرابعة

$$0.02 = 4 \times \frac{1}{200} = \text{الزمن الدوري}$$

$$50 \text{ Hz} = \text{التردد}$$

$$\text{Emf} = NAB2\pi f = 420 \times 3 \times 10^{-3} \times 0.5 \times 2 \times 3.14 \times 50 = 197.8 \text{ V} \text{ ①}$$

$$\theta = 2\pi f t \rightarrow \rightarrow \rightarrow 30 = 2 \times 180 \times 50 \times t \text{ ②}$$

$$T = 1/600 \text{ s}$$