$$A = 0.25^2 = 0,0625 \,\mathrm{m}^2$$

$$E = \frac{d\phi}{dt} = \frac{d}{dt} \left[ -B.A. \cos(-wt) \right]$$

$$B = \frac{-5.10^{-3}}{\pi \cdot A \cdot Mn(\frac{-\pi}{2})} = \frac{5 \cdot 10^{-3}}{\pi \cdot A}$$