

- 26** A rectangle coil of 800 turns has an area of  $0.050\text{ m}^2$ . It is placed at right angles to a magnetic field of flux density  $4.0 \times 10^{-5}\text{ T}$ . It is then rotated through  $180^\circ$  in 0.20 s. The average emf induced in the coil is

**A** 0.000 V      **B** 0.016 V      **C** 0.025 V      **D** 0.046 V