26 A flat circular coil of diameter 30 mm has 500 turns and is situated so that the plane of the coil is perpendicular to a uniform magnetic field of flux density 20 mT. The flux density is reduced to zero and then increased to 20 mT in the opposite direction at a constant rate. The time taken for the whole operation is 60 ms.

What is the average value of the e.m.f. induced in the coil?

A 0 **B** 0.12 V **C** 0.24 V **D** 0.94 V