25   A circular coil with a radius of 0.10 m has 200 turns. The coil rotates at 50 revolutions per second about
an axis which is perpendicular to a uniform magnetic field and in the plane of the coil. The magnetic
flux density of the field is 0.20 T.

The maximum induced e.m.f. E_0 is given by the expression

E_0 = maximum magnetic flux linkage × angular speed of the coil

What is the maximum e.m.f. induced in the coil?

A   63 V   **B**   126 V   **C**   195 V   **D**   395 V