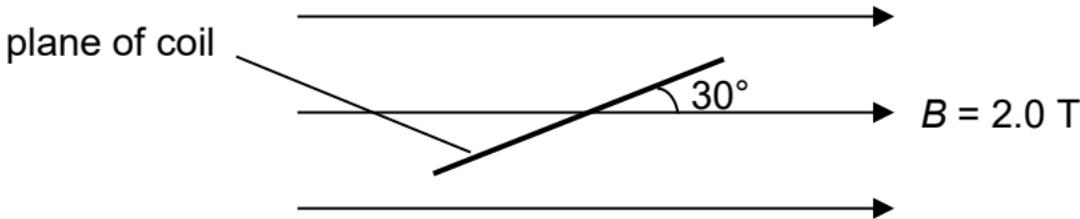


- 24** A square coil of 10 turns with sides of 5.0 cm is placed so that the plane of the coil makes an angle of 30° with the direction of a uniform magnetic field B of flux density 2.0 T. A current of 15 A is passed through the coil.



What is the magnitude of the torque acting on the square coil?

A 0.19 N m

B 0.33 N m

C 0.38 N m

D 0.65 N m