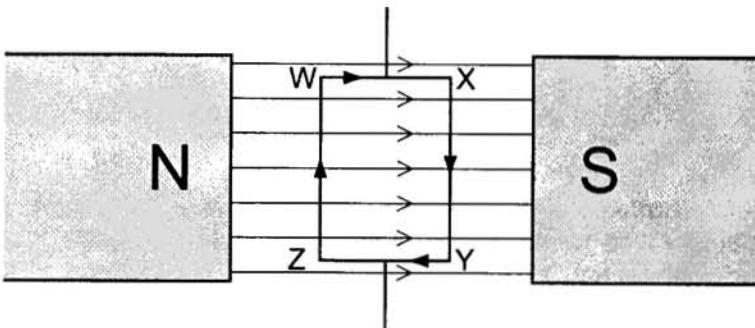


- 31 In an electric motor, a rectangular coil WXYZ has 20 turns and is in a uniform magnetic field of flux density 0.83 T.



The lengths of sides XY and ZW are 0.17 m and of sides WX and YZ are 0.11 m. The current in the coil is 4.5 A.

What is the maximum torque provided by the motor?

- A 0.070 Nm      B 0.63 Nm      C 1.4 Nm      D 2.8 Nm