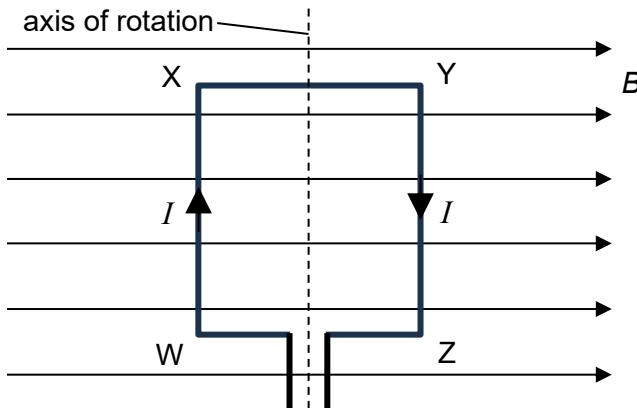


- 23 A rectangular loop WXYZ carries a current  $I$  and rotates in a magnetic field of flux density  $B$ . The axis of rotation is perpendicular to the magnetic field.



Which row correctly describes the variation of the magnitude of the magnetic force acting on WX and torque on the loop?

	magnetic force	torque
A	constant	constant
B	constant	not constant
C	not constant	constant
D	not constant	not constant

- 24 A solenoid has a coil C of wire wound tightly about its centre as shown.