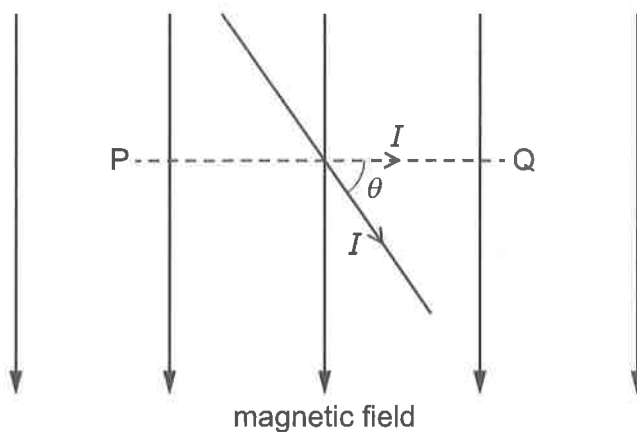


- 24 A straight wire PQ, carrying a constant current I to the right, is placed at right angles to a uniform downward magnetic field, as shown by the dotted line in the diagram.



The wire is then rotated through an angle θ about an axis perpendicular to the plane of the diagram.

Which graph shows how the magnitude of the magnetic force F on the wire varies with θ in the range 0° to 90° ?

