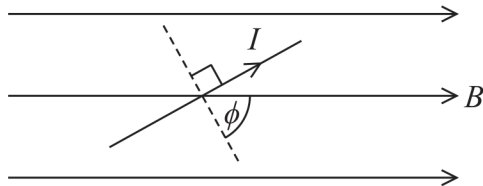**5** A wire is in the same plane as a magnetic field of magnetic flux density B as shown. The wire is of length l and carries a current I.

Which row of the table gives the magnitude and direction of the force on the wire?

		Magnitude	Direction
☒	A	$BIl \cos \phi$	into page
☒	B	$BIl \cos \phi$	out of page
☒	C	$BIl \sin \phi$	into page
☒	D	$BIl \sin \phi$	out of page

(Total for Question 5 = 1 mark)