

7(a)	• force per unit length • force per unit current • length / current perpendicular to field <i>1 mark for any two points, 2 marks for all three points.</i>
7(b)(i)	$F = BQv$
7(b)(ii)	arrow at Y pointing vertically upwards
7(b)(iii)	upwards deflection showing circular path
7(c)(i)	electric field applied vertically downwards (may be shown on a labelled diagram)
	electric force on particle in opposite direction to magnetic force (may be shown on a labelled diagram)
	particle undeflected when magnitudes of electric and magnetic forces are equal
7(c)(ii)	$EQ = BQv$
	$v = E / B$