

5(a)	force per unit charge
	force on positive charge
5(b)(i)	four straight vertical parallel lines, approximately evenly spaced
	arrows downwards
5(b)(ii)	$E = V / d$
	$E = 430 / 0.067$
	$= 6.4 \times 10^3 \text{ N C}^{-1}$
5(b)(iii)	smooth curve within plates and straight lines outside plates
	direction of deflection shown as upwards
5(c)(i)	into the page
5(c)(ii)	forces are in opposite directions
	(undeviated) when (magnitudes of) forces are equal
5(c)(iii)	$Eq = Bqv$
	$B = E / v = (6.4 \times 10^3) / (2.6 \times 10^7)$
	$= 2.5 \times 10^{-4} \text{ T}$

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