

Question number	Answer	Mark
7	<p>The only correct answer is B because the field strength due to 2 microcoulomb is $\frac{2 \times 10^{-6}}{4\pi\epsilon_0(0.4)^2}$ and field strength due to 3 microcoulomb is $\frac{3 \times 10^{-6}}{4\pi\epsilon_0(0.8)^2}$ and they are in opposite directions</p> <p>A assumes the fields are in the same direction C uses the distance from the wrong charge in each case and assumes the fields are in the same direction D uses the distance from the wrong charge in each case</p>	(1)