

Name: Fang Hao

Class: 22S6D

Tutor: Erkan Polatdemir (Dr)

Instructions:

1. Review the worked solutions and marker's comments. Many of your mistakes have been addressed by them.
2. If you think the marker may have missed out on a marking point, fill out the table below.
3. You will need to justify why you think you deserve more credit. However, **only what you have written during the exam will be reviewed**. You do not even have the opportunity in the GCE to communicate to the markers, or see your marked script. **Marks will be deducted** instead if you justify with incorrect Physics or did not learn and repeat the mistakes already highlighted in the marker's comments.
4. Staple this form to the front of your exam papers.
5. **Submit your script to the college reception by the following deadlines. No late submissions will be entertained.**

Paper	Release date	Appeal Deadline
4	Mon 25 Sep	Wed 27 Sep 0800
2	Mon 02 Oct	Wed 04 Oct 0800
3	Thu 05 Oct	Fri 06 Oct 0800

6. All marks would be updated on ISP by **06 Oct Fri 12 pm**.

Question & Part	Reason for Review	Current Mark	Marker's comments	Final Mark
4(a)	Marker did an insertion "per unit positive charge" in the first line. However, student wrote "to bring a unit charge..." in the second line. A BOD would be appreciated :D	0		
4(b)(i)	Marker seems to be in doubt seeing "54 e" on student's script. However, "e" is a well-defined symbol named "elemental charge" with value $1.60 \times 10^{-19} \text{ C}$ in the Data Sheet (Question Paper Page 2). As one proton possesses approximately elementary charge, student's expression of total charges in the form of Number * elementary charge might be considered sufficient in answering the "show" question, thus might deserving 1 more mark.	1		
4(b)(iii)	Student provided the method, to "Read the corresponding potential at r on the curve and divide it by r". As potential is given by $V = q/(4 \pi \epsilon_0 r)$, the student's method yields $q/(4 \pi \epsilon_0 r^2)$ which is the electric field strength with sign at a distant r as requested by the question, even more accurate and convenient than the	0		

	suggested answer which is getting the gradient at r.			
5(c)(ii)	Please consider awarding mark for student's working " $E X/(X+r) = 4.5V$; $E 3X/(3X+r) = 5.4V$ "	0		

*you may add more rows to the table.