Name: Choose the correct answers for the formation of the correct answers for the correct answer	Number: he followings problems
1. The total amount of charge of 2×10^{12} electrons is:	
(a) 32 μC	(b) 32 nC
(c) 1.25×10 ³¹ C	(d) 8×10 ⁻³² C
YOUR ANSWER	
2. Two identical charges of 5 μ C are separated by 4 c	m. The force between them is:
(a) 140.6 N (attractive)	(b) 140.6 N (repulsive)
(c) 28.12 N (attractive)	(d) 28.12 N (repulsive)
YOUR ANSWER	
3. Two charges produce a force of 540 N if they are doubled, the magnitude of the force between them is	
(a) 270 N	(b) 1080 N
(c) 135 N	(d) 67.5 N
YOUR ANSWER	
4. The electric field at a distance 3 cm from a point cl	harge Q is 80,000 N/C. The charge Q is:
(a) 8 nC	(b) 8 μC
(c) 6 μC	(d) 6 nC
YOUR ANSWER	
5. At a certain point, the electric field is measure	ed to be 200 N/C. The magnitude of the
electric force on a proton placed at this point is:	
(a) 3.2×10 ⁻¹⁰ N	(b) 1.25×10 ²¹ N
(c) 3.2×10 ⁻¹⁷ N	(d) 1.25×10 ¹⁵ N
YOUR ANSWER	
Constants: electronic charge: e=1.6×10 ⁻¹⁹ C - C	oulomb's constant: k=9.0×10 ⁹ N.m ² /C ²