1.	How much electric field will be produced by a point charge of 1C at a distance of 1m from it i	n
	air ?	[1]
2.	Write the dimensions of electric dipole moment.	[1]
3.	A charged oil drop of mass m is suspended in equilibrium between two horizontal conducting	5
	plates, each of area A m <sup>2</sup> and having charges +q and –q coulomb.	
	Find the charge on the drop.	[2]
4.	lectric dipole is free to move in a uniform electric field. Explain its motion when it is placed	
	a) Parallel to the field, b) perpendicular to the field	[2]
5.	Obtain an expression for intensity of electric field in end on position of an electric dipole.	[3]
6.	Derive the expression for the electric field E just outside a charged conductor.	[3]
7.	Two point charges +q and +4q are separated by a distance 6a. Find the point joining the two	
	charges where the electric field is zero.	[4]
8.	A point charge of $+10\mu$ C is at a distance 5cm directly above the centre of a square of side 10cm.	
	What is the magnitude of electric flux through the square ?	[4]