

Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	In Millikan's oil drop experiment a charged particle of mass 'm' is in equilibrium in an will	A. Zero B. $g/2$ C. g D. $2g$
2	Electric potential at a distance "r" from "q" is:	A. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$ B. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r}$ C. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$ D. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r}$
3	Charge on electron is	A. $1.6 \times 10^{-19} \text{ C}$ B. $1.6 \times 10^{-19} \text{ C}$ C. $1.6 \times 10^{-17} \text{ C}$ D. $1.6 \times 10^{17} \text{ C}$
4	Due to polarization, electric field E.	A. Increase B. Decrease C. First increases then decreases D. Remain same
5	The negative of the potential gradient is	A. Electrostatic force B. Electromotive force C. Potential difference D. Electric field intensity
6	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
7	The photo copying process is called	A. Xerography B. Inkjet Printer C. Both (a) and (b) D. None of these
8	Closeness of the electric field lines is the measure of.	A. Direction of field B. Strength of field C. Potential difference D. Uniformity of field
9	Which one is photo conductor.	A. Copper B. Selenium C. Mercury D. Aluminium
10	Dielectric constant ϵ_r for air is:	A. 1 B. 1.006 C. 1.0002 D. 1.0006
11	If a charge body moved against the electric field it will again	A. Potential energy B. K.E C. Mechanical Energy D. Electric potential energy
12	Coulomb /volt is called.	A. Farad B. Ampere C. Joule D. Henry
13	Total flux through a closed surface depends on.	A. Shape of surface B. Medium only C. Charge enclosed only D. Charge and Medium
14	Electron volt is the unit of.	A. Potential B. Potential difference C. Electric current D. Electric energy
15	Electric flux is a:	A. Scalar quantity B. Vector quantity C. Variable quantity

		D. None of these
16	If the separation between the plates of a capacitor is doubled then its capacitance become.	A. Double B. Half C. One fourth D. Three times
17	The capacitance of a capacitor depends upon.	A. Thickness of plates B. Charges on the plates C. Voltage applied D. Geometry of the capacitor
18	If F_1 and F_2 are the magnetic forces acting on a particle and electron respectively when moving perpendicular to the magnetic field then.	A. $F_1 = F_2$ B. $F_1 > F_2$ C. $F_1 < F_2$ D. $F_1 = 4F_2$
19	The work done in bringing a unit positive charge from infinity to that point in an electric field is called.	A. Potential B. Potential difference C. Absolute potential D. All of these
20	In photocopier, the drum is coated with a layer of.	A. Aluminium B. Copper C. Selenium D. Silver