

Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	Two opposite point charge of same magnitude separated by distance 2d, electric potential mid way between them is.	A. 1 V B. 2 V C. Zero D. V/2
3	The electric intensity due to two oppositely charged plates is	D. None of these
4	Electric intensity due to an infinite sheet of charge is:	A. $\frac{\sigma}{2\epsilon_0}$ B. $\frac{\sigma}{\epsilon_0}$ C. $\frac{\sigma}{2\epsilon_0}$ D. none of these
5	Presence of dielectric between two charges always.	A. Reduces the electric force B. Enhance the electric force C. Does not effect electric force D. Double the electric force
6	If a charged body is moved against the electric field it will gain.	A. P.E. B. K.E. C. Mechanical energy D. Electrical potential energy
7	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all
8	The total flux through a closed surface.	A. Directly proportional to shape and geometry B. Independent of medium C. Depend on shape and geometry D. Dependent on medium and the charge enclosed
9	If the potential difference across two plates of capacitor is doubled, then energy stored in it will be.	A. Two times B. Eight times C. Four times D. Remain same
10	Capacitance of a capacitor does not depend upon.	A. Distance between plates B. Area of plates C. Electric field between plates D. Medium between plates
11	Coulomb's force is:	A. Conservative force B. None conservative force C. Similar to frictional force D. None of the above
12	One of the applications of electrostatic induction is	A. Laser B. Photocopier C. X ray machine D. Wilson cloud chamber
13	Electro encephalon graph is the diagnostic test for the working of.	A. Eye B. Heart C. Brain D. Lungs
14	Metals are good conductors of electricity because they have	A. Large number of bounded electrons B. Small number of electrons C. Large number of free electrons D. Small number of free electrons
15	The product of resistance and capacitanc eis.	A. Velocity B. Force C. Acceleration D. Time

16	Two parallel, metal plates are a distance 8.00 m apart. The electric field between the plates is uniform, Directed toward the right , and has a magnitude of 4.00 N/C. If an ion of charge +2e is released at rest at the left-hand plate. What is its kinetic energy when reaches the right-hand plate?	<p>A. 4 eV B. 64 eV C. 32 eV D. 16 eV</p>
17	The "toner" of photocopier is given:	<p>A. Positive charge B. Negative charge C. Remains neutral D. All of above</p>
18	Due to polarization, electric field E.	<p>A. Increase B. Decrease C. First increases then decreases D. Remain same</p>
19	A one microfarad capacitor of a TV is subjected to 4000 V potential difference. The energy stored in capacitor is:	<p>A. 8 j B. 16 j C. 4×10^{-3} j D. 2×10^{-3} j</p>
20	Total flux through a closed surface depends on.	<p>A. Shape of surface B. Medium only C. Charge enclosed only D. Charge and Medium</p>