

Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	One joule is equal to.	A. 1.6×10^{19} eV B. 1.6×10^{-19} eV C. 6.25×10^{-18} eV D. 6.25×10^{18} eV
2	If both the magnitude of charges and distance between them is doubled, then coulomb's force will be.	A. Doubled B. Half C. Remain same D. One fourth
3	The relative permittivity of air is	A. 79.5 B. 1.006 C. 1.06 D. 1.0006
4	The toner of printer is given	A. Positive charge B. Negative charge C. Neutral D. First positive then negative
5	Electric potencial of earth is taken to be zero because the earth is good:	A. Semiconductor B. Conductor C. Insulator D. Dielectric
6	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, Then	A. The charge in the plates reduces and potencial difference increase B. Potencial difference between the plates increase, stored energy decreases and charge remains the same C. Potencial difference between the plates decreases, stored energy decreases and charge remains unchanged D. None of them
7	Presence of dielectric always.	A. Increase the electrostatic force B. Reduces the electrostatic force C. Do not effect electrostatic force D. Doubles the electrostatic force
8	Coulomb's force is:	A. Conservative force B. None conservative force C. Similar to frictional force D. None of the above
9	Due to polarization, electric field E.	A. Increase B. Decrease C. First increases then decreases D. Remain same
10	the force between two charge is 28 N. If paraffin wax of relative permittivity 2.8 is introduced between the charges as medium, then the force reduces to.	A. 25 N B. 20 N C. 10 N D. 15 N
11	Electron volt is the unit of.	A. Potential B. Potential difference C. Electric current D. Electric energy
12	Farad is defined as	A. "Coulomb/Volt B. Ampere /Volt C. Coulomb /Joule D. Volt/Coulomb
13	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
14	NC-1 is the SI unit is	A. Force B. Charge C. Current D. Electric intensity

15	Electric potential at a distance "r" from "q" is:	<p>A. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$</p> <p>B. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$</p> <p>C. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r}$</p> <p>D. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$</p>
16	Intensity of field inside a hollow charged sphere will be.	<p>A. Negative</p> <p>B. Unaffected</p> <p>C. Zero</p> <p>D. Maximum</p>
17	Electric flux is a	<p>A. Vector quantity</p> <p>B. Scalar quantity</p> <p>C. Both (a) and (b)</p> <p>D. None of above</p>
18	SI unit of electric flux is.	<p>A. NmC^{-1}</p> <p>B. $\text{Nm}^{-1} \text{C}^{-1}$</p> <p>C. $\text{Nm}^2 \text{C}^{-1}$</p> <p>D. $\text{Nm}^3 \text{C}^{-2}$</p>
19	The number of electrons in one coulomb charge is equal to	<p>A. 6.2×10^{18} electrons</p> <p>B. Zero electrons</p> <p>C. 1.6×10^{22} electrons</p> <p>D. 6.2×10^{21} electrons</p>
20	A capacitor stores energy in the form of.	<p>A. Magnetic field</p> <p>B. Heat energy</p> <p>C. Electrical energy</p> <p>D. Mechanical energy</p>