

Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which one of the following is correct	A. D. All of above
2	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
3	if time constant in RC series circuit is small, then capacitor is charged or discharged.	A. Slowly B. Rapidly C. At constant rate D. Intermittently
4	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
5	Electric field intensity at a point is defined by the relation.	A. $E = q/F$ B. $E = F/q$ C. $E = qF$ D. $E = F/q^2$
6	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
7	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
8	The number of electrons in one coulomb charge is equal to	A. 6.2×10^{18} electrons B. Zero electrons C. 1.6×10^{22} electrons D. 6.2×10^{21} electrons
9	SI unit of electric flux is.	A. $\text{NmC}^{1/2}$ B. $\text{Nm}^{1/2} \text{C}^{1/2}$ C. $\text{Nm}^{1/2} \text{C}^{1/2}$ D. $\text{Nm}^{3/2} \text{C}^{1/2}$
10	Selenium is a	A. Insulator B. Photoconductor C. Conductor D. First insulator then conductor
11	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
12	The relative permittivity of air is	A. 79.5 B. 1.006 C. 1.06 D. 1.0006
13	Electro encephalon graph is the diagnostic test for the working of.	A. Eye B. Heart C. Brain D. Lungs
14	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
15	The fact that electric field exist in space around an electrical charge is	A. Electrical property B. Gravitational property C. Intrinsic property of nature D. Extrinsic property of nature
		A. Two time B. One time

16	If the distance between two charges is halved and charges are also doubled, then force between them will be.	B. Four time C. Eight time D. Sixteen time
17	A capacitor stores energy in the form of.	A. Magnetic field B. Heat energy C. Electrical energy D. Mechanical energy
18	The electric intensity due to two oppositely charged plates is	D. None of these
19	In photocopier, then drum is coated with layer of.	A. Aluminium B. Copper C. Selenium D. silver
20	Electric potential at a distance "r" from "q" is:	A. $V_{\text{r}} = \frac{1}{54\pi\epsilon_0} \frac{q}{r^2}$ B. $V_{\text{r}} = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$ C. $V_{\text{r}} = \frac{1}{4\pi\epsilon_0} \frac{q}{r}$ D. $V_{\text{r}} = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$