

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	In gas the charge carriers are:	A. Electrons B. Ions C. Both a & b D. None of above
2	Coulomb's force is:	A. Conservative force B. None conservative force C. Similar to frictional force D. None of the above
3	The 1eV =	A. $1.6 \times 10^{-19} \text{C}$ B. $1.6 \times 10^{-11} \text{J}$ C. $1.6 \times 10^{-19} \text{J}$ D. $1.6 \times 10^{-11} \text{C}$
4	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. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r}$
5	The electrical intensity is equal to:	A. $-\Delta r / \Delta v$ B. $\Delta v / \Delta r$ C. $\Delta v / \Delta v$ D. $-\Delta v / \Delta r$
6	Electric intensity due to an infinite sheet of charge is:	A. $\frac{\partial}{\partial \epsilon} \epsilon_0$ B. $\frac{\partial}{\partial \epsilon} \epsilon_0$ C. $\frac{\partial}{\partial \epsilon} \epsilon_0$ D. none of these
7	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all
8	Flux through any closed surface is:	A. $\frac{1}{\epsilon_0} \times$ times the total charge enclosed in it B. $\epsilon_0 \times$ time the total charge enclosed in it C. $\frac{1}{\epsilon_0} \times$ ties the total charge enclosed in it D. $\epsilon_0 \times$ time the total charge enclosed in it
9	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
10	Electric flux is a:	A. Scalar quantity B. Vector quantity C. Variable quantity D. None of these
11	The "toner" of photocopier is given:	A. Positive charge B. Negative charge C. Remains neutral D. All of above
12	The process of copying is:	A. Axillugraphy B. Chromatography C. Xerography D. Spectrography
13	The middle region of electric field is:	A. Maximum field spot B. Zero field spot C. Perpendicular field spot D. All of above
14	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero

15	Concept of electric field lines was given by:	A. Michelson B. Henry C. Michael faraday D. Oersted
16	Force per unit charge is called:	A. Gravitational force B. Electric field intensity C. Coulomb's force D. None of these
17	Dielectric constant $\epsilon_r$ for air is:	A. 1 B. 1.006 C. 1.0002 D. 1.0006