

Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
2	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
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	The absolute electric potential at a point distance 20 cm from a charge of 2 μC is.	A. $9 \times 10^{22} \text{ V}$ B. $9 \times 10^{33} \text{ V}$ C. $9 \times 10^{44} \text{ V}$ D. $9 \times 10^{55} \text{ V}$
5	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
6	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?	A. 4 eV B. 64 eV C. 32 eV D. 16 eV
7	A proton is about 1840 time than an electron. When it is accelerated by a potential difference of 1 kV, its kinetic energy will be:	A. 1884 keV B. 1/1840 keV C. 1 keV D. 920 keV
8	The process of copying is:	A. Axillugraphy B. Chromatography C. Xerography D. Spectrography
9	For computation of electric flux, the surface area should be.	A. Parallel B. Flat C. Curved D. Spherical
10	Force per unit charge is called:	A. Gravitational force B. Electric field intensity C. Coulomb's force D. None of these
11	The net charge on a capacitor magnitude of charge of charge	A. Infinity B. 2 q C. Q/2 D. Zero
12	The electric intensity at infinite distance from the point charge is	A. Infinite B. Zero C. Positive D. Negative
13	When the medium is insulator the electrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above
14	An ECG records the _____ between points on human skin generated by electric process in the heart.	A. Heart beat B. Pulse rate C. Pressure D. Voltage
15	The quantity time constant RC has units of.	A. Charge B. Time C. Capacitance D. Resistance

16	Concept of the electric field lines is introduced by	A. Coulomb B. Faraday C. Einstein D. Joseph henry
17	One of the applications of electrostatic induction is	A. Laser B. Photocopier C. X ray machine D. Wilson cloud chamber
18	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. $V/2$
19	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
20	Selenium is	A. Insulator is dark B. Insulator in light C. Conductor in dark D. Semi conductor in dark