

Physics ICS 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	A charge Q is divided into two parts q and Q-q and separated by a distance R. The force of equilibrium between them will be maximum when:	A. $q=Q/4$ B. $q=Q/2$ C. $q=Q$ D. None of these
3	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. Charge and Medium
4	Photo copier and inkjet printer are the applications of	A. Magnetism B. Electricity C. Electro magnetism D. Electrostatics
5	The "toner" of photocopier is given:	A. Positive charge B. Negative charge C. Remains neutral D. All of above
6	Gauss's law can only be applied to.	A. A curved surface B. A flat surface C. A closed surface D. A surface of any shape
7	The net charge on a capacitor magnitude of charge of charge	A. Infinity B. $2q$ C. $Q/2$ D. Zero
8	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
9	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. $V/2$
10	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
11	One electron volt is equal to.	A. 1.6×10^{-19} Joule B. 1.6×10^{-19} Coulomb C. 1.6×10^{-12} N D. 1.6×10^{18} Joule
12	The electrical intensity is equal to:	A. $-\Delta r/\Delta v$ B. $\Delta v/\Delta r$ C. $\Delta v/\Delta v$ D. $-\Delta v/\Delta r$
13	Force per unit charge is called:	A. Gravitational force B. Electric field intensity C. Coulomb's force D. None of these
14	The number of lines per unit area passing perpendicular through an area is called	A. Flux B. Electric intensity C. Both (a) , (b) D. None of these
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

16	NC-1 is the SI unit is	A. Force B. Charge C. Current D. Electric intensity
17	The product of resistance and capacitance is.	A. Velocity B. Force C. Acceleration D. Time
18	The absolute electric potential at a point distance 20 cm from a charge of 2 μC is.	A. $9 \times 10^2 \text{ V}$ B. $9 \times 10^3 \text{ V}$ C. $9 \times 10^4 \text{ V}$ D. $9 \times 10^5 \text{ V}$
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	For computation of electric flux, the surface area should be.	A. Parallel B. Flat C. Curved D. Spherical