

Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	One of the applications of electrostatic induction is	A. Laser B. Photocopier C. X ray machine D. Wilson cloud chamber
2	Farad is defined as	A. "Coulomb/Volt B. Ampere /Volt C. Coulomb /Joule D. Volt/Coulomb
3	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
4	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
5	Concept of the electric field lines is introduced by	A. Coulomb B. Faraday C. Einstein D. Joseph henry
6	A force of 0.01 N is exerted on a charge 1.2×10^{-5} C at a certain point. The electric field at that point is	A. 1.2×10^4 N/C B. 1.2×10^4 C/N C. 8.3×10^2 N/C D. 8.3×10^2 N/C
7	Drum of photocopier is made of.	A. Copper B. Aluminum C. Nickel D. Cobalt
8	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
9	The product of resistance and capacitanc eis.	A. Velocity B. Force C. Acceleration D. Time
10	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
11	If the potential difference across two plates of capacitor is doubled, then energy stored in it will be.	A. Two times B. Eight times C. Four times D. Remain same
12	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
13	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. Charge and Medium
14	A one microfarad capacitor of a TV is subjected to 4000 V potential difference. The energy stored in capacitor is:	A. 8 j B. 16 j C. 4×10^{-3} j D. 2×10^{-3} j
15	When the medium is insulator the electrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above

16	If the distance between two charges is halved and charges are also doubled, then force between them will be.	A. Two time B. Four time C. Eight time D. Sixteen time
17	In Millikan's oil drop experiment a charged particle of mass 'm' is in equilibrium in an will	A. Zero B. $g/2$ C. g D. $2g$
18	Electric potential of earth is taken to be zero because the earth is good:	A. Semiconductor B. Conductor C. Insulator D. Dielectric
19	The electric intensity due to two oppositely charged plates is	D. None of these
20	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all