

Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	In Millikan's oil drop experiment a charged particle of mass 'm' is in equilibrium in an oil will	A. Zero B. $g/2$ C. g D. $2g$
2	A proton is about 1840 times 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
3	Selenium is	A. Insulator in dark B. Insulator in light C. Conductor in dark D. Semi conductor in dark
4	Electron volt is the unit of.	A. Potential B. Potential difference C. Electric current D. Electric energy
5	Special organs called ampullae of Lorenzini are present in.	A. Bats B. Cats C. Dogs D. Sharks
6	Which one of the following is correct	A. $\epsilon_r > 1$ D. All of above
7	Dielectric constant ϵ_r for air is:	A. 1 B. 1.006 C. 1.0002 D. 1.0006
8	Electroencephalogram is the diagnostic test for the working of.	A. Eye B. Heart C. Brain D. Lungs
9	One of the applications of electrostatic induction is	A. Laser B. Photocopier C. X-ray machine D. Wilson cloud chamber
10	The electric intensity at infinite distance from the point charge is	A. Infinite B. Zero C. Positive D. Negative
11	Presence of dielectric always.	A. Increase the electrostatic force B. Reduces the electrostatic force C. Do not effect electrostatic force D. Doubles the electrostatic force
12	The force between two charges is 28 N. If paraffin wax of relative permittivity 2.8 is introduced between the charges as a medium, then the force reduces to.	A. 25 N B. 20 N C. 10 N D. 15 N
13	Intensity of field inside a hollow charged sphere will be.	A. Negative B. Unaffected C. Zero D. Maximum
14	Photocopier and inkjet printer are the applications of	A. Magnetism B. Electricity C. Electro magnetism D. Electrostatics
15	If the distance between two charges is halved and charges are also doubled, then force between them will be.	A. Two times B. Four times C. Eight times D. Sixteen times
		A. Charge

16	The electric flux through closed surface depends upon	B. Medium C. Geometry D. Charge and Medium
17	If the medium between the charges is not free space then electrostatic force will be	A. Increase B. Decrease C. Remain same D. None of these
18	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
19	If the distance between the two charged bodies is halved, the force between them becomes.	A. Double B. Half C. Four times D. One times
20	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