

Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	Force per unit charge is called:	A. Gravitational force B. Electric field intensity C. Coulomb's force D. None of these
3	SI unit of electric flux is.	A. NmC^{-1} B. $\text{Nm}^{-1}\text{C}^{-1}$ C. Nm^2C^{-1} D. Nm^3C^{-2}
4	Drum of photocopier is made of.	A. Copper B. Aluminum C. Nickel D. Cobalt
5	Electric potential of earth is taken to be zero because the earth is good:	A. Semiconductor B. Conductor C. Insulator D. Dielectric
6	Which one is photo conductor.	A. Copper B. Selenium C. Mercury D. Aluminium
7	The electric field in some region of space is uniform in magnitude and direction. Which one of the following five statements best describes the volume charge density (ρ), in this region of space?	A. $\rho = 0$ B. ρ decreases linearly in the direction of the electric field C. ρ increases linearly in the direction of the electric field D. ρ has a uniform value throughout the region E.
8	Electro encephalon graph is the diagnostic test for the working of.	A. Eye B. Heart C. Brain D. Lungs
9	A changing electric flux creates.	A. Electric fields B. Gravitational C. Magnetic field D. Electric charge
10	Electron volt is the unit of.	A. Potential B. Potential difference C. Electric current D. Electric energy
11	Electric flux is a:	A. Scalar quantity B. Vector quantity C. Variable quantity D. None of these
12	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
13	The electric intensity due to two oppositely charged plates is	D. None of these A. 1 V

14	Two opposite point charge of same magnitude separated by distance 2d, electric potential mid way between them is.	B. 2 V C. Zero D. V/2
15	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
16	The number of electrons in one coulomb charge is equal to	A. 6.2×10^{18} electrons B. Zero electrons C. 1.6×10^{-22} electrons D. 6.2×10^{21} electrons
17	Which one of the following is correct	A. D. All of above
18	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. Charge and Medium
19	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
20	Electric field intensity at a point is defined by the relation.	A. $E = q/F$ B. $E = F/q$ C. $E = qF$ D. $E = F/q^2$