Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	If a charge body moved against the electric field it will again	A. Potential energy B. K.E C. Mechanical Energy D. Electric potential energy
2	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
3	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/q2
4	Force per unit charge is called:	A. Gravitational force B. Electric field intensity C. Coulomb's force D. None of these
5	An electric field cannot deflect	A. X-rays B. a-particles C. ß-particles D. None of these
6	The "toner" of photocopier is given:	A. Positive charge B. Negative charge C. Remains neutral D. All of above
7	A changing electric flux creates.	A. Electric fields B. Gravitational C. Magnetic field D. Electric charge
8	The electric potential at a mid point in an electric dipole is.	A. 0 V B. 0.5 V C. 1 V D. 1.5 V
9	The quantity time constant RC has units of.	A. Charge B. Time C. Capacitance D. Resistance
10	If a charged body is moved against the electric field it will gain.	A. P.E. B. K.E. C. Mechanical energy D. Electrical potential energy
11	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
12	Concept of electric field lines was given by:	A. Michelson B. Henry C. Michael faraday D. Oersted
13	One electron volt is equal to.	A. 1.6 x 10⁻¹⁹ Joule B. 1.6 x 10⁻¹⁹Coulomb C. 1.6 x 10⁻¹²N D. 1.6 x 10¹⁸Joule
14	The total flux through a closed surface.	A. Directly proportional to shape and geometry B. Independent of medium C. Depend on shape and geometry D. Dependent on medium and the charge enclosed
15	The negative of the potential gradient is	A. Electrostatic force B. Electromotive force

		C. Potential difference D. Electric field intensity
16	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
17	For computation of electric flux, the surface area should be.	A. Parallel B. Flat C. Curved D. Spherical
18	Electro encephalon graph is the diagnostic test for the working of.	A. Eye B. Heart C. Brain D. Lungs
19	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
20	SI unit of electric flux is.	A. NmC¹ B. Nm⁻¹ C¹ C. Nm²C⁻¹ D. Nm³C²