Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	Farad is defined as	A. "Coulomb/Volt B. Ampere /Volt C. Coulomb /Joule D. Volt/Coulomb
2	Electron volt is the unit of.	A. Potential B. Potential difference C. Electric current D. Electric energy
3	Photo copier and inkjet printer are the applications of	A. Magnetism B. Electricity C. `.Electro magnetism D. Electrostatics
4	A one microfarad capacitor of a TV is subjected to 4000 V potencial difference.The energy stored in capacitor is:	A. 8 j B. 16 j C. 4 x 10⁻³j D. 2 x 10⁻³j
5	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
6	Drum of photocopier is made of.	A. Copper B. Aluminum C. Nickel D. Cobalt
7	The relative permitivity of air is	A. 79.5 B. 1.006 C. 1.06 D. 1.0006
8	Coulomb /volt is called.	A. Farad B. Ampere C. Joule D. Henry
9	The amount of energy equal to 1.6×10^{-18} J is called.	A. One volt B. One milli volt C. One electron volt D. One mega electron volt
10	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
11	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, Then	A. The charge in the plates reduces and potencial difference increase B. Potencial difference between the plates increase, stored energy decreases and charge remains the same C. Potencial difference between the plates decreases, stored energy decreases and charge remains unchanged D. None of them
12	Charge carriers in electrolytes are.	A. Protons B. Electrons C. Holes D. Positive and Negative ions
13	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
14	The product of resistance and capacitanc eis.	A. Velocity B. Force C. Acceleration

		D. Time
15	Flux through any closed surface is:	A. 1/ε²_◦ times the total charge enclosed in it B. ε²_◦ time the total charge enclosed in it C. 1/ε_◦ ties the total charge enclosed in ti D. ε_◦ time the total charge enclosed in it
16	Coulomb's force is:	A. Conservative force B. None conservative force C. Similar to frictional force D. None of the above
17	A capacitor stores energy in the form of.	A. Magnetic field B. Heat energy C. Electrical energy D. Mechanical energy
18	A charge on 4 coulomb is in the field of intensity 4N/C the force on the charge is.	A. Uniform B. Non uniform C. Weak D. Strong
19	Concept of electric field lines was given by:	A. Michelson B. Henry C. Michael faraday D. Oersted
20	Dielectric constant ε_r for air is:	A. 1 B. 1.006 C. 1.0002 D. 1.0006