Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	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
3	The quantity time constant RC has units of.	A. Charge B. Time C. Capacitance D. Resistance
4	Intensity of field inside a hollow charged sphere will be.	A. Negative B. Unaffected C. Zero D. Maximum
5	In photocopier, then drum is coated with layer of.	A. Aluminium B. Copper C. Selenium D. silver
6	For which material medium, force between two charged particles is maximum.	A. Ammonia B. Germanium C. Mica D. Teflon
7	If the separation between the plates of a capacitor is doubled then its capacitance become.	A. Double B. Half C. One fourth D. Three times
8	Two metallic sphere of radius 2 cm and 4 cm get equal quantity of charge. Which has greater surface charge density ?	A. 2nd sphere B. Both have same C. First sphere D. None of these
9	if time constant in RC series circuit is small, then capacitor is charged or discharged.	A. Slowly B. Rapidly C. At constant rate D. Intermittently
10	Two opposite point charge of same magnitude separated by distance 2d, electric potential mid way between them is.	A. 1 V B. 2 V C. Zero D. V/2
11	One joule is equal to.	A. 1.6×10^{19} eV B. 1.6×10^{-19} eV C. 6.25×10^{-18} eV D. 6.25×10^{18} eV
12	Drum of photocopier is made of.	A. Copper B. Aluminum C. Nickel D. Cobalt
13	Coulomb's force is:	A. Conservative force B. None conservative force C. Similar to frictional force D. None of the above
14	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
15	The work done is bringing a unit positive charge from infinity to that point in an electric field is called.	A. Potential B. Potential difference C. Absolute potential D. All of these

16	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. 4×10^{-3} j D. 2×10^{-3} j
17	If F1 and F2 are teh magnetic forces acting on a particle and electron respectively when moving perpendicular to the magnetic field then.	A. F1=F2 B. F1>F2 C. F1<F2 D. F1 = 4F2
18	The middle region of electric field is:	A. Maximum field spot B. Zero field spot C. Perpendicular field spot D. All of above
19	NC-1 is the SI unit is	A. Force B. Charge C. Current D. Electric intensity
20	The force of Neutron due to field of 10^2 N/C is.	A. 1.6×10^{-17} N B. 1.6×10^{-19} N C. Zero D. 1.6×10^{-21} N