Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	If the length of solenoid is doubled but N same, B inside the solenoid becomes.	A. Half B. Doubled C. One fourth D. Four times
3	The use of LDR is in the circuit of.	A. Logic gate B. Rectifier C. Oscillator D. High Switch
4	Energy needed to produce an electron hole in solid state detector is.	A. 1 to 2 eV B. 3 to 4 eV C. 6 to 7 eV D. 8 to 9 eV
5	Commentator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
6	Charge on electron is	A. 1.6 x 10⁻¹⁹ C B. 1.6 x 10¹⁹C C. 1.6 x 10⁻¹⁷C D. 1.6 x 10¹⁷C
7	The line radiations emitted from by hydrogen filled discharge tube can be analyzed into.	A. Band spectrum B. Line spectrum C. Continuous spectrum D. Absorption spectrum
8	Platinum wire becomes yellow at a temperature of.	A. 900^oC B. 1300^oC C. 1600^oC D. 500^oC
9	The basic circuit element in A.C. circuit which controls current.	A. Resistor only B. Capacitor only C. Inductor only D. All of these
10	The value of e/m is smallest for	A. Proton B. Electron C. Beta particle D. Positron
11	The curie temp for iron is about	A. 800^oC B. 740^oC C. 750^oC D. 650^oC
12	A dot represents the direction of magnetic field.	A. Out of page B. Into the page C. Tangent to page D. Parallels to page
13	The amount of energy equal to 1.6 x 10^{-18} J is called.	A. One volt B. One milli volt C. One electron volt D. One mega electron volt
14	Kirchhoff's first rule is the manifestation of the law of conservation of.	A. Mass B. Charge C. Energy D. Momentum
		A. ρ = 0 B. <span style="color: rgb(34, 34,

15	The electric field in some region of of space is uniform in magnitude and direction. Which one of the following five statements best desccribes the volume charge density (ρ) , in this region of space?	34); font-family: arial, sans-serif; font-size: 16px;">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.
16	A metal rod of 1 m is moving at a speed of 1 ms-1 in a direction making an angle 30 ^{o} with 0.5 T magnetic field . The emf produced is.	A. 0.25 N B. 2.5 N C. 0.25 V D. 2.5 V
17	When a charge is projected perpendicular to a uniform magnetic field, tis path is	A. Spiral B. Helix C. Ellipse D. Circular
18	Force per unit charge is called:	A. Gravitational force B. Electric field intensity C. Coulomb's force D. None of these
19	The radius of hydrogen atom is:	A. 0.53A° B. 0.053A° C. 0.53 x 10⁻⁹ D. 0.053 x10⁻⁹
20	The natural frequency of L.C circuit is equal to	