Physics ICS Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	In wheatstone bridge all the four arms have equal resistanc eR. If the resistance of galvanometer arm is also R the equivalent resistance of the combination	A. R B. R/4 C. R/2 D. 2R
2	Electric force as compared to gravitational force is.	A. Very weak B. Very strong C. Moderately weak D. Infinite
3	Ohm's law can be expressed as.	A. I = VR B. R = IV C. V = RI D. V = I/R
4	A uniform electric field is represented by a set of lines which are.	A. Parallel and equally spaced B. Converging C. Diverging D. Circular
5	A heat sensitive resisstor is called.	A. Thermistor B. Variable resistor C. Fixed resistor D. None
6	Value of dielectric consgtant e r for water is	A. 25 B. 78.5 C. 2.1 D. 3.40
7	Electric lines of force are.	A. Real B. Imaginary C. Complex D. None of these
8	The reciprocal of resistance is known as .	A. Conductance B. Reactance C. Conductivity D. Resistivity
9	Which electricla quantity has the same untis as electromotive force.	A. Current B. Charge C. Potential Difference D. Power
10	The Kirchhoff's 2nd rule is the manifestation of law of conservation of.	A. Energy B. Mass C. Momentum D. Charge
11	The relative permittivity of free speace has the value equal to.	A. 1.0 B. 1.006 C. 78.5 D. 2.1
12	A potentiometer can be used as to.	A. Determine E.M.F. of a cell B. Campare e.em.f s. C. measrue accurate value of current D. All of above
13	Flux passing through a closed surface does not depend upon	A. Geometry of surface B. Medium C. Charge D. All
14	If chargeis mvoed against the electric field, it will gain	A. Potential energy B. Kinetic energy C. Electric potential energy D. Mechanical energy
15	An electric field can deflect.	A. Charge dparticles B. Neutrons C. X-rays

		D. Beta Rays
16	Which of the following has a positive temperatur coeffiicent.	A. Iron B. Carbon C. Silicon D. Germanium
17	Value of K depends upon	A. System of unit B. Nature of medium C. Botha a and b D. None
18	The algebraic sum of potential chagnes for a complete circuit is zero it is the statement of.	A. Ohm's law B. Gausss'slaw C. Kirchhoff's second law D. Kirhhoff's first law
19	Which can be used as unit of energy.	A. watt sec B. Nm-1 C. VC-1 D. VA
20	On moving a charge of 20 Coulomb by 2 cm. 2 J of work is done, then the potential differecne between the points is.	A. 0.1 V B. 8 V C. 2 V D. 0.5 V