Physics ICS Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	A wheatstone bridge consts of ......resistors.	A. 3 B. 4 C. 2 D. 5
2	The best instrument used for teh acccurate measurement of e.m.g. of a cell is.	A. potentiometer B. Wheatstone bridge C. Ammeter D. Voltmeter
3	Nautral zone in electric field of two similar charge is region where.	A. Both positive and negative charges are present B. Equal quantity of both positive and negative charges are present C. An electric dipole exists D. No electric ifeld line passes
4	The reciprocal of resistance is known as .	A. Conductance B. Reactance C. Conductivity D. Resistivity
5	The electric field present inside ahollow charged sphere is.	A. Zero B. Maximum C. Constant D. Variable
6	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
7	The sum of currents in various resistors meeting at a point of the circuit.	A. Equals to the total current B. Exceed the totla current C. Less than total current D. None of above
8	Whenever current is drawn from a cell, its terminal potential differecne and emf become.	A. Different B. Same C. Zero D. Negative
9	An electric field can deflect.	A. Charge dparticles B. Neutrons C. X-rays D. Beta Rays
10	Flux passing through a closed surface does not depend upon	A. Geometry of surface B. Medium C. Charge D. All
11	If the vector area is parallel to the field lies, then electric flux is.	A. A maximum B. Infinite C. Minimum D. Remained the same
12	If air is replaced by any other dielectic medium the fore of attraction or repulsion between two charges.	A. Decreases B. Increases C. Vanishes D. Remain same
13	Algebraic sum of current meeting at a point is zero is a statement of.	A. Kirchhoff's 1st law B. Faraday's law C. Ampere's law D. None
14	Electric bulb does not obey Ohm's law becasue	A. Temperature changes B. Resistance changes C. Heat is prodcued D. All

15	The redius of curvature of the path of a charged particle in a uniform magnetic field is directly proportiional to.	A. The particle's charge B. The particle's momentum C. The partcl's energy D. The flux density of the field
16	Concept of field lines of force was introduced	A. Faraday B. Coulomb C. Franklin D. Gauss
17	The Kirchhoff's first rule is the manifestation of law of conservation of.	A. Mass B. Charge C. Momentum D. Energy
18	If chargeis mvoed against the electric field, it will gain	A. Potential energy B. Kinetic energy C. Electric potential energy D. Mechanical energy
19	When a dielectric material is placed in an electric field it	A. Conducts B. Palarizes C. Magnetizes D. undergoes elecrolysis
20	mho m-1 is the SI unit of.	A. Conductance B. Conductivity C. Resistance D. Resistivity