Physics Fsc Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	A positive charge is placed at the center of sphere of radius r, then the electric flux depends upon	A. The radius of the sphere B. Quantity of charge C. The intensity of the electric field D. All of the above
2	If the resistivity of a material is large then it is.	A. Poor Conductor B. Conductor C. Good conductor D. Insulator
3	For apositive charge electic field lines are directed.	A. Towards charge B. Away from charge C. Botha a and b D. None
4	Internal resistanc and e.m.f of a cell can be determined by an instrument.	A. CRO B. AVO Meter C. Botha CRO and AVO meter D. Potentiometer
5	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
6	The potential gradient is a.	A. Scalar B. Power C. Vector D. Energy
7	The SI unit of conductance is.	A. mho -meter B. ohm C. mho D. moh meter
8	When a dielectric material is placed in an electric field it	A. Conducts B. Palarizes C. Magnetizes D. undergoes elecrolysis
9	Wheatstone bridge is used to measrue the unknown.	A. Resistance B. Current C. Voltage D. None
10	Maximum power is delivered to a load when internal resistance of soruce is.	A. Less than load B. Equal the load resistance C. Greater than the load resistance D. Does not depend on load resistance
11	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
12	If we move away from a charge, the magnitude of electric intensity will	A. Decrease B. Increase C. Zero D. Remain Constant
13	Value of dielectric consgtant e r for water is	A. 25 B. 78.5 C. 2.1 D. 3.40
14	The electric constnat of rubber is.	A. 2.94 B. 2 C. 2.1 D. 3.40

15	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
16	1.6 x 10-19 J is always equal to.	A. 1 farad B. Electron volt C. 1 coulomb D. Coulomb
17	A uniform electric field is represented by a set of lines which are.	A. Parallel and equally spaced B. Converging C. Diverging D. Circular
18	If a resistor is traversed in the direction of current, the potential change is.	A. Negative B. Positive C. Zero D. Infinite
19	Ohm's law can be expressed as.	A. I = VR B. R = IV C. V = RI D. V = I/R
20	1.6 x 10-19 J is always equal to.	A. 1 farad B. 1 coulomb C. Newton D. Electron -volt