

Physics Fsc Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	In wheatstone bridge all the four arms have equal resistance R . 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	Which can be used as unit of energy.	A. watt sec B. Nm^{-1} C. VC^{-1} D. VA
3	If the source of e.m.f. is traversed from negative to positive terminal, the potential change is.	A. Positive B. Negative C. Zero D. Constant
4	Two point charges A and B are separated by 10 m. If the distance between them is reduced to 5 m. the force exerted on each.	A. Decrease to half its original value B. Increase to twice the original value C. Increase four times to its original value D. Decreases to one quarter of its original value
5	The relative permittivity of free space has the value equal to.	A. 1.0 B. 1.006 C. 78.5 D. 2.1
6	1.6×10^{-19} J is always equal to.	A. 1 farad B. 1 coulomb C. Newton D. Electron-volt
7	To eliminate stray electric field interference, circuits of sensitive electronic devices are enclosed in.	A. Metal Box B. Insulating box C. Wooden box D. None of these
8	Wheatstone bridge is used to measure the unknown.	A. Resistance B. Current C. Voltage D. None
9	The Kirchhoff's first rule is the manifestation of law of conservation of.	A. Mass B. Charge C. Momentum D. Energy
10	A potentiometer can be used as to.	A. Determine E.M.F. of a cell B. Compare e.m.f s. C. measure accurate value of current D. All of above
11	A wheatstone bridge consists ofresistors.	A. 3 B. 4 C. 2 D. 5
12	Range of electric force is.	A. Small B. Large C. Medium D. None
13	Whenever current is drawn from a cell, its terminal potential difference and emf become.	A. Different B. Same C. Zero D. Negative
14	If we move away from a charge, the magnitude of electric intensity will	A. Decrease B. Increase C. Zero D. Remain Constant

		D. ϵ_r remain constant
15	The electric field created by positive point charge is.	A. Radially inward B. Radially outward C. Zero D. Circular
16	Which of the following metal has the lowest value of temperature coefficient of resistivity.	A. Gold B. Silver C. Copper D. Aluminum
17	Value of dielectric constant ϵ_r for water is	A. 25 B. 78.5 C. 2.1 D. 3.40
18	Unit of electric intensity is.	A. Vm^{-1} B. NC^{-1} C. Am^{-1} D. Both a and b
19	The algebraic sum of potential changes for a complete circuit is zero it is the statement of.	A. Ohm's law B. Gauss's law C. Kirchhoff's second law D. Kirchhoff's first law
20	mho m^{-1} is the SI unit of.	A. Conductance B. Conductivity C. Resistance D. Resistivity