

Physics ICS Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	SI Unit of EMF is.	A. <p>Volt</p> B. <p>Joule</p> C. <p>Both a and b</p> D. <p>Farad</p>
2	For a positive charge electric field lines are directed.	A. <p>Towards charge</p> B. <p>Away from charge</p> C. <p>Both a and b</p> D. <p>None</p>
3	Electric bulb does not obey Ohm's law because	A. <p>Temperature changes</p> B. <p>Resistance changes</p> C. <p>Heat is produced</p> D. <p>All</p>
4	If the source of e.m.f. is traversed from negative to positive terminal, the potential change is.	A. <p>Positive</p> B. <p>Negative</p> C. <p>Zero</p> D. <p>Constant</p>
5	If the source of e.m.f. is traversed from negative to positive terminal, the potential change is.	A. <p>Positive</p> B. <p>Negative</p> C. <p>Zero</p> D. <p>Constant</p>
6	The electric constant of rubber is.	A. <p>2.94</p> B. <p>2</p> C. <p>2.1</p> D. <p>3.40</p>
7	The value of relative permittivity ϵ_r for various dielectrics is always.	A. <p>Larger than unity</p> B. <p>Less than unity</p> C. <p>Equal to unity</p> D. <p>Slightly less than unity</p>
8	Current Electricity is the branch of physics which deals with electric charges.	A. <p>In motion</p> B. <p>At rest</p> C. <p>Both a and b</p> D. <p>None</p>
9	If charge is moved against the electric field, it will gain	A. <p>Potential energy</p> B. <p>Kinetic energy</p> C. <p>Electric potential energy</p> D. <p>Mechanical energy</p>
10	On moving a charge of 20 Coulomb by 2 cm. 2 J of work is done, then the potential difference between the points is.	A. <p>0.1 V</p> B. <p>8 V</p> C. <p>2 V</p> D. <p>0.5 V</p>
11	1.6×10^{-19} J is always equal to.	A. <p>1 farad</p> B. <p>1 coulomb</p> C. <p>Newton</p> D. <p>Electron -volt</p>
12	Algebraic sum of current meeting at a point is zero is a statement of.	A. <p>Kirchhoff's 1st law</p> B. <p>Faraday's law</p> C. <p>Ampere's law</p> D. <p>None</p>
13	A heat sensitive resistor is called.	A. <p>Thermistor</p> B. <p>Variable resistor</p> C. <p>Fixed resistor</p> D. <p>None</p>
14	Specific resistance of a conductor depends upon is.	A. <p>Material</p> B. <p>Length</p> C. <p>Area</p> E. <p>All</p>
15	The electric resistance of a metal	A. <p>Increase with the increase of temperature</p> B. <p>Decrease with increase of temperature</p>

15	The electric resistance of a metal	temperature C. Independent of temperature D. Convert Mechanical energy into heat energy
16	mho m^{-1} is the SI unit of.	A. Conductance B. Conductivity C. Resistance D. Resistivity
17	The sum of currents in various resistors meeting at a point of the circuit.	A. Equals to the total current B. Exceed the total current C. Less than total current D. None of above
18	Which of the following metal has the lowest value of temperature coefficient of resistivity.	A. Gold B. Silver C. Copper D. Aluminum
19	Electron -volt is a unit of.	B. Energy C. Potential D. Capacitance E. Electric intensity
20	Electric flux is a	A. Scalar Quantity B. Vector Quantity C. Base Quantity D. None