

Physics ICS Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	Which of the following metal has the lowest value of temperature coefficient of resistivity.	<p>A. <p>Gold</p> B. <p>Silver</p> C. <p>Copper</p> D. <p>Aluminum</p></p>
2	The reciprocal of resistance is known as .	<p>A. <p>Conductance</p> B. <p>Reactance</p> C. <p>Conductivity</p> D. <p>Resistivity</p></p>
3	When a dielectric material is placed in an electric field it	<p>A. <p>Conducts</p> B. <p>Polarizes</p> C. <p>Magnetizes</p> D. <p>undergoes electrolysis</p></p>
4	Algebraic sum of current meeting at a point is zero is a statement of.	<p>A. <p>Kirchhoff's 1st law</p> B. <p>Faraday's law</p> C. <p>Ampere's law</p> D. <p>None</p></p>
5	The radius of curvature of the path of a charged particle in a uniform magnetic field is directly proportional to.	<p>A. <p>The particle's charge</p> B. <p>The particle's momentum</p> C. <p>The particle's energy</p> D. <p>The flux density of the field</p></p>
6	Electric force as compared to gravitational force is.	<p>A. <p>Very weak</p> B. <p>Very strong</p> C. <p>Moderately weak</p> D. <p>Infinite</p></p>
7	SI Unit of EMF is.	<p>A. <p>Volt</p> B. <p>Joule</p> C. <p>Both a and b</p> D. <p>Farad</p></p>
8	Gaussian surface is	<p>A. <p>Imaginary</p> B. <p>Closed</p> C. <p>Both a and b</p> D. <p>Real</p></p>
9	Range of electric force is.	<p>A. <p>Small</p> B. <p>Large</p> C. <p>Medium</p> E. <p>None</p></p>
10	Which can be used as unit of energy.	<p>A. <p>watt sec</p> B. <p>Nm-1</p> C. <p>VC-1</p> D. <p>VA</p></p>
11	Unit of electric intensity is.	<p>A. <p>Vm-1</p> B. <p>NC-1</p> C. <p>Am-1</p> D. <p>Both a and b</p></p>
12	Neutral zone in electric field of two similar charge is region where.	<p>A. <p>Both positive and negative charges are present</p> B. <p>Equal quantity of both positive and negative charges are present</p> C. <p>An electric dipole exists</p> D. <p>No electric field line passes</p></p>
13	Current Electricity is the branch of physics which deals with electric charges.	<p>A. <p>In motion</p> B. <p>At rest</p> C. <p>Both a and b</p> D. <p>None</p></p>
14	If we move away from a charge, the magnitude of electric intensity will	<p>A. <p>Decrease</p> B. <p>Increase</p> C. <p>Zero</p></p>

		D. <p>Remain Constant</p>
15	A positive charge is placed at the center of sphere of radius r, then the electric flux depends upon	A. <p>The radius of the sphere</p> B. <p>Quantity of charge</p> C. <p>The intensity of the electric field</p> D. <p>All of the above</p>
16	1.6×10^{-19} J is always equal to.	A. <p>1 farad</p> B. <p>Electron volt</p> C. <p>1 coulomb</p> D. <p>Coulomb</p>
17	If air is replaced by any other dielectric medium the force of attraction or repulsion between two charges.	A. <p>Decreases</p> B. <p>Increases</p> C. <p>Vanishes</p> D. <p>Remain same</p>
18	Flux passing through a closed surface does not depend upon	A. <p>Geometry of surface</p> B. <p>Medium</p> C. <p>Charge</p> D. <p>All</p>
19	A heat sensitive resistor is called.	A. <p>Thermistor</p> B. <p>Variable resistor</p> C. <p>Fixed resistor</p> D. <p>None</p>
20	To eliminate stray electric field interference, circuits of sensitive electronic devices are enclosed in.	A. <p>Metal Box</p> B. <p>Insulating box</p> C. <p>Wooden box</p> D. <p>None of these</p>