

Physics ICS Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	To eliminate stray electric field interference, circuits of sensitive electronic devices are enclosed in.	<p>A. Metal Box</p> <p>B. Insulating box</p> <p>C. Wooden box</p> <p>D. None of these</p>
2	If the source of e.m.f. is traversed from negative to positive terminal, the potential change is.	<p>A. Positive</p> <p>B. Negative</p> <p>C. Zero</p> <p>D. Constant</p>
3	The current through a conductor is 3.0 A when it is attached across a potential difference of 6.0 V. How much power is used.	<p>A. 18 W</p> <p>B. 0.5 W</p> <p>C. 0.2 W</p> <p>D. 9.0 W</p>
4	If we move away from a charge, the magnitude of electric intensity will	<p>A. Decrease</p> <p>B. Increase</p> <p>C. Zero</p> <p>D. Remain Constant</p>
5	Wheatstone bridge is used to measure the unknown.	<p>A. Resistance</p> <p>B. Current</p> <p>C. Voltage</p> <p>D. None</p>
6	If the vector area is parallel to the field lines, then electric flux is.	<p>A. A maximum</p> <p>B. Infinite</p> <p>C. Minimum</p> <p>D. Remained the same</p>
7	The algebraic sum of potential changes for a complete circuit is zero it is the statement of.	<p>A. Ohm's law</p> <p>B. Gauss's law</p> <p>C. Kirchhoff's second law</p> <p>D. Kirchhoff's first law</p>
8	Specific resistance of a conductor depends upon is.	<p>A. Material</p> <p>B. Length</p> <p>C. Area</p> <p>E. All</p>
9	Value of K depends upon	<p>A. System of unit</p> <p>B. Nature of medium</p> <p>C. Both a and b</p> <p>D. None</p>
10	1.6×10^{-19} J is always equal to.	<p>A. 1 farad</p> <p>B. 1 coulomb</p> <p>C. Newton</p> <p>D. Electron -volt</p>
11	The radius of curvature of the path of a charged particle in a uniform magnetic field is directly proportional to.	<p>A. The particle's charge</p> <p>B. The particle's momentum</p> <p>C. The particle's energy</p> <p>D. The flux density of the field</p>
12	A positive charge is placed at the center of sphere of radius r, then the electric flux depends upon	<p>A. The radius of the sphere</p> <p>B. Quantity of charge</p> <p>C. The intensity of the electric field</p> <p>D. All of the above</p>
13	The reciprocal of resistance is known as .	<p>A. Conductance</p> <p>B. Reactance</p> <p>C. Conductivity</p> <p>D. Resistivity</p>
14	Algebraic sum of current meeting at a point is zero is a statement of.	<p>A. Kirchhoff's 1st law</p> <p>B. Faraday's law</p> <p>C. Ampere's law</p> <p>D. None</p>

15	Concept of field lines of force was introduced	<p>A. Faraday</p> <p>B. Coulomb</p> <p>C. Franklin</p> <p>D. Gauss</p>
16	Internal resistance and e.m.f of a cell can be determined by an instrument.	<p>A. CRO</p> <p>B. AVO Meter</p> <p>C. Both CRO and AVO meter</p> <p>D. Potentiometer</p>
17	Range of electric force is.	<p>A. Small</p> <p>B. Large</p> <p>C. Medium</p> <p>E. None</p>
18	Which of the following metal has the lowest value of temperature coefficient of resistivity.	<p>A. Gold</p> <p>B. Silver</p> <p>C. Copper</p> <p>D. Aluminum</p>
19	The electric resistance of a metal	<p>A. Increase with the increase of temperature</p> <p>B. Decrease with increase of temperature</p> <p>C. Independent of temperature</p> <p>D. Convert Mechanical energy into heat energy</p>
20	Electric bulb does not obey Ohm's law because	<p>A. Temperature changes</p> <p>B. Resistance changes</p> <p>C. Heat is produced</p> <p>D. All</p>