

10th Class Physics English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	Power of electric heater is:	<p>A. $1500W$</p> <p>B. $4750W$</p> <p>C. $100W$</p> <p>D. $50W$</p>
2	Which is the most suitable means of reliable continuous communication between an orbiting satellite and Earth?	<p>A. Microwaves</p> <p>B. Radio waves</p> <p>C. Sound wave</p> <p>D. any light waves</p>
3	Which is the unit of energy:	<p>A. KWh</p> <p>B. Electron volt</p> <p>C. Joule</p> <p>D. All of above</p>
4	Electric motor converts electrical energy into:	<p>A. Chemical energy</p> <p>B. Solar energy</p> <p>C. Heat energy</p> <p>D. Mechanical energy</p>
5	The amount of current that can be painful is:	<p>A. $0.005A$</p> <p>B. $0.001A$</p> <p>C. $1A$</p> <p>D. $2A$</p>
6	The direction of induced e.m.f. in a circuit is in accordance with conservation of.	<p>A. Mass</p> <p>B. Charge</p> <p>C. Momentum</p> <p>D. Energy</p>
7	A thermistor is a dependent resistors:	<p>A. Heat</p> <p>B. temperature</p> <p>C. energy</p> <p>D. mass</p>
8	Positive charge can be produced by:	<p>A. Combing in hair</p> <p>B. Rubbing glass rod on silk</p> <p>C. By rubbing ebonite rod on wool</p> <p>D. By rubbing glass rod wool</p>
9	At extreme position potential energy of the pendulum is	<p>A. Maximum</p> <p>B. Minimum</p> <p>C. a and b</p> <p>D. zero</p>
10	According to Ohm's law $V =$ _____	<p>A. I^2R</p> <p>B. IR^2</p> <p>C. IR</p> <p>D. I/R</p>

11	The combined resistance of two identical resistors, connected in series is 8Ω . Their combined resistance in a parallel arrangement will be:	<p>A. 2Ω</p> <p>B. 4Ω</p> <p>C. 8Ω</p> <p>D. 12Ω</p>
12	Which element is used to locate the ulcer in brain?	<p>A. Iodine-131</p> <p>B. Phosphorus-32</p> <p>C. Carbon-14</p> <p>D. Potassium-40</p>
13	Which among the following radiation has more penetrating power?	<p>A. A beta particle</p> <p>B. A gamma particle</p> <p>C. An alpha particle</p> <p>D. None of these</p>
14	Half of radius of curvature is called:	<p>A. Focal length</p> <p>B. Principal focus</p> <p>C. Axis</p> <p>D. Aperture</p>
15	AND gate can be formed by using two:	<p>A. NOT gates</p> <p>B. OR gates</p> <p>C. NOR gates</p> <p>D. Nand gates</p>
16	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 of these</p>
17	What does a switch do:	<p>A. Oppose the current</p> <p>B. Open and close the circuit</p> <p>C. Store energy</p> <p>D. Provide voltage</p>
18	An object gains excess negative charge after being rubbed against another object, which is:	<p>A. Neutral</p> <p>B. Negatively charged</p> <p>C. Positively charged</p> <p>D. Either, a, b or c</p>
19	Simplest electrical circuits use:	<p>A. One wire</p> <p>B. Two wires</p> <p>C. Four wires</p> <p>D. Five wires</p>
20	Which device has two coils, primary and secondary?	<p>A. D.C. Motor</p> <p>B. Transformer</p> <p>C. A.C. generator</p> <p>D. a and b</p>