

10th Class Physics English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	Which statement is true about the magnetic poles?	<p>A. Unlike poles repel</p> <p>B. Like poles attract</p> <p>C. Magnetic poles do not effect each other</p> <p>D. A single magnetic pole does not exist</p>
2	The direction of electric field lines due to positive charge is:	<p>A. Away from the charge</p> <p>B. Towards the charge</p> <p>C. Both a and b</p> <p>D. None of these</p>
3	Which of the following devices can be used to produce both a transverse and longitudinal waves:	<p>A. A string</p> <p>B. A ripple tank</p> <p>C. A helical spring (slinky)</p> <p>D. A tuning fork</p>
4	A data storage device is.	<p>A. Printer</p> <p>B. Hard disk</p> <p>C. Monitor</p> <p>D. CPU</p>
5	What is the voltage across a 6Ω resistor when 3 A of current passes through it?	<p>A. 2 V</p> <p>B. 9 V</p> <p>C. 18 V</p> <p>D. 36 V</p>
6	How Galvanometer is connected in circuit to detect current?	<p>A. In Series</p> <p>B. In Parallel</p> <p>C. Fixed</p> <p>D. Variable</p>
7	Capacitors are used to store:	<p>A. Current</p> <p>B. Voltage</p> <p>C. Charge</p> <p>D. Resistance</p>
8	Volt is named after the Italian physicist:	<p>A. Faraday</p> <p>B. Alessandro volta</p> <p>C. Newton</p> <p>D. Coulomb</p>
9	The electric potential energy per unit charge is called:	<p>A. Electric field</p> <p>B. Electric potential</p> <p>C. Electric intensity</p> <p>D. All of above</p>
10	A transformer has $N_p = 100$ and $N_s = 500$, if 6 volt D.C is applied across its primary, the induced voltage.	<p>A. 0 V</p> <p>B. 30 V</p> <p>C. 45 V</p> <p>D. 60 V</p>
11	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>
12	After how much time the echo must be heard?	<p>A. 0.1 s</p> <p>B. 0.10 s</p> <p>C. 0.2 s</p>

		C. 0.20 s D. 0.50 s
13	If the displacement in spring is 'x' of mass "m" attached with a spring then restoring force is:	A. $F=ma$ B. $F=kx$ C. $F=-kx$ D. $F=m/a$
14	An object of placed at he centre of curvature of a concave mirror. The image produced by the mirror is located:	A. out beyond the centre of curvature. B. at the centre of curvature C. between the centre of curvature and the focal point D. at the focal point
15	earth wire is connected with those appliances whose casing is made of:	A. metals B. wood C. glass D. plastic
16	Totally reflecting prism is used in:	A. Periscope B. Binoculars C. Periscope and binocular D. Telescope
17	Electronics is a branch of:	A. Mass B. Applied Physics C. Mechanics D. Nuclear Physics
18	LDR can act as:	A. Diode B. Switch C. Transistor D. Rectifier
19	A capacitor stores 0.24 coulombs at 10 volts. It capacitance is:	A. $0.024F$ B. $0.12F$ C. $0.6F$ D. $0.8F$
20	A converging lens becomes a magnifying glass when an object is placed:	A. Outside of focal length B. Inside the focal length C. Equal of focal length D. At double of focal length