

10th Class Physics English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	The device which is used to convert sound waves into electrical signal is called:	<p>A. Ear piece</p> <p>B. Microphone</p> <p>C. Transmission channel</p> <p>D. Receiver</p>
2	A thermistor is a dependent resistors:	<p>A. Heat</p> <p>B. temperature</p> <p>C. energy</p> <p>D. mass</p>
3	An object of placed at he centre of curvature of a concave mirror. The image produced by the mirror is located:	<p>A. out beyond the centre of curvature.</p> <p>B. at the centre of curvature</p> <p>C. between the centre of curvature and the focal point</p> <p>D. at the focal point</p>
4	The formula of time period of simple pendulum is:	<p>A. $T = 2\pi \sqrt{L/g}$</p> <p>B. $T = 2\pi (L/g)$</p> <p>C. $T = 2\pi\sqrt{1/g}$</p> <p>D. $T = 1/2\pi \sqrt{L/g}$</p>
5	The number of neutrons in the nucleus of tritium is:	<p>A. 1</p> <p>B. 2</p> <p>C. 3</p> <p>D. 4</p>
6	1 Nano farad is equal to:	<p>A. $1 \times 10^{-12} \text{F}$</p> <p>B. $1 \times 10^9 \text{F}$</p> <p>C. $1 \times 10^{-9} \text{F}$</p> <p>D. $1 \times 10^{-6} \text{F}$</p>
7	LDR can act as:	<p>A. Diode</p> <p>B. Switch</p> <p>C. Transistor</p> <p>D. Rectifier</p>
8	The distance of spherical mirror is called:	<p>A. Curvature</p> <p>B. Aperture</p> <p>C. Sphere</p> <p>D. a,b</p>
9	The converter of digital to analogue signal is:	<p>A. ADC</p> <p>B. DAC</p> <p>C. DATC</p> <p>D. DTC</p>
10	If one of the resistors in a parallel circuit is removed, the total resistance will be:	<p>A. Doubled</p> <p>B. Decreased</p> <p>C. Increased</p> <p>D. Remain same</p>
11	What happens to the intensity of the brightness of the lamps connected in series as more and more lamps are added?	<p>A. Increases</p> <p>B. Decreases</p> <p>C. Remains the same</p> <p>D. Can not be predicted</p>

12	In OR operation inputs are connected as:	<p>B. $\text{A} \parallel \text{B}$</p> <p>C. Both series or parallel</p> <p>D. None of these</p>
13	If $X = A \cdot B$, then X is 1 when:	<p>A. A and B are 1</p> <p>B. A or B is 0</p> <p>C. A is 0 and B is 1</p> <p>D. A is 1 and B is 0</p>
14	The process by which electrons are emitted by a hot metal surface is known as:	<p>A. Boiling</p> <p>B. Evaporation</p> <p>C. Conduction</p> <p>D. Thermionic emission</p>
15	The value of refractive index of water is:	<p>A. 2.33</p> <p>B. 1.36</p> <p>C. 1.33</p> <p>D. 1.39</p>
16	Total energy supplied in driving one coulomb of charge around a complete circuit is called:	<p>A. Potential</p> <p>B. Potential difference</p> <p>C. Electromotive force</p> <p>D. Potential energy</p>
17	When 1 tonne of coal is burnt then amount of energy is released .	<p>A. $36 \times 10^8 \text{ J}$</p> <p>B. $36 \times 10^9 \text{ J}$</p> <p>C. 36 J</p> <p>D. $36 \times 10^{10} \text{ J}$</p>
18	Instrument used for detecting and testing the nature of charge on a body is called:	<p>A. Incubator</p> <p>B. Spectroscope</p> <p>C. voltmeter</p> <p>D. electroscopes</p>
19	If the potential energy of one coulomb charge is one joule then its potential will be:	<p>A. 5 volt</p> <p>B. 2 volt</p> <p>C. 3 volt</p> <p>D. 1 volt</p>
20	Spherical mirrors are used in:	<p>A. Medical</p> <p>B. Search light</p> <p>C. Microscope</p> <p>D. All of these</p>