

Physics 10th Class English Medium Online Test

Sr	Questions	Answers Choice
1	Sound waves are an example of:	A. Transverse waves B. Electromagnetic waves C. Longitudinal waves D. All of these
2	The product of frequency (f) and wavelength λ is equal to:	A. Time period B. Amplitude C. Wave speed D. Wave energy / frequency
3	If a wave moves in a slinky spring with frequency of 4Hz and wave length of 0.4m, the speed of the wave will be:	A. 1.0 ms ⁻¹ B. 1.2 ms ⁻¹ C. 1.4 ms ⁻¹ D. 1.6 ms ⁻¹
4	Wave equation is defined as:	A. $f = T\lambda$ B. $f = V\lambda$ C. $V = 2f\lambda$ D. $V = f\lambda$
5	The waves in which particles of the medium vibrate perpendicular to the direction of propagation of waves are called:	A. Transverse waves B. Longitudinal waves C. Electromagnetic waves D. None of these
6	During S.H.M acceleration of the body is maximum at:	A. Mean position B. Extreme positions C. Between mean & Extreme D. None of these
7	If the length of a simple pendulum is halved its time period will become:	A. T/2 B. $T = T/\sqrt{2}$ C. $\sqrt{2}T$ D. 2T
8	The formula of time period of simple pendulum is:	A. $T = 2\pi \sqrt{L/g}$ B. $T = 2\pi (L/g)$ C. $T = 2\pi \sqrt{1/g}$ D. $T = 1/2\pi \sqrt{L/g}$
9	If the mass of a spring mass system is doubled, its time period becomes:	A. $\sqrt{2} T$ B. T/2 C. $\sqrt{T}/2$ D. $T/\sqrt{2}$
10	Formula for time period of spring mass system is represented by:	A. $T = 2\pi \sqrt{m/k}$ B. $T = 2\pi \sqrt{k/m}$ C. $T = 1/2\pi \sqrt{k/m}$ D. $T = 1/2\pi \sqrt{m/k}$
11	The S.I unit of Spring constant is:	A. Nm B. N C. Nm ⁻¹ D. Ns
12	When a body moves to and fro about a point its motion is called:	A. Random motion B. Linear motion C. Vibratory motion D. Rotatory motion