

Simple Harmonic Motion and Waves

Sr	Questions	Answers Choice
1	BASIC is a:	<p>A. High level language B. Low level language C. Assembly language D. Machine Language</p>
2	With broadband information can be loaded:	<p>A. In 1 min B. In 1 sec C. In 1 day D. In 2 days</p>
3	The vacuum all electromagnetic wave have the same	<p>A. speed B. frequency C. amplitude D. wavelength</p>
4	The formula of time period of simple pendulum is:	<p>A. $T = 2\pi \sqrt{L/g}$ B. $T = 2\pi (L/g)$ C. $T = 2\pi \sqrt{1/g}$ D. $T = 1/2\pi \sqrt{L/g}$</p>
5	The speed of waves can be calculated by:	<p>A. Vt B. $d \times t$ C. $f \lambda$ D. Tf</p>
6	Waves transfer:	<p>A. Energy B. Wavelength C. Velocity D. frequency</p>
7	In simple Harmonic motion, the acceleration of the body is _____ proportional to the displacement.	<p>A. Inversely B. Directly C. Equally D. None of these</p>
8	The time period of mass attached with a spring can be calculated by:	<p>A. $T = 2\pi \sqrt{L/g}$ B. $T = 1/T$ C. $T = 2\pi \sqrt{g/L}$ D. $T = 2\pi \sqrt{m/k}$</p>
9	The energy is transferred from one place to another:	<p>A. Through matter B. Thouth waves C. both a and b D. None of these</p>
10	The relation between v, f and λ of a wave is:	<p>A. $vf = \lambda$ B. $f\lambda = v$ C. $v\lambda = f$ D. $v = \lambda/f$</p>
11	Program up gradation refers to:	<p>A. Program enhancement B. Program identification C. Program development D. Program implementation</p>
12	If the mass of the bob of a pendulum is increased by a factor of 3. The period of the pendulum's motion will:	<p>A. Be increased by a factor 2 B. Remain the same C. Be decreased by a factor of 2 D. Be decreased by a facro of 4</p>
13	The oscillations of a system in the presence of _____ force are called amp oscillations:	<p>A. Resistive force B. Attractive force C. Both of these D. None of these</p>

14	The S.I unit of Spring constant is:	A. Nm B. N C. Nm ⁻¹ D. Ns
15	Floppy has a storage capacity	A. 4-5 MB B. 3-4 MB C. 1-3 MB D. 3-6 MB
16	The time period of simple pendulum can be calculated by:	A. $T = 2\pi\sqrt{L/g}$ B. $T = 2\pi\sqrt{m/k}$ C. $T = 2\pi\sqrt{g/L}$ D. $T = 2\pi\sqrt{k/m}$
17	The wave properties	A. Reflection B. Refraction C. Diffraction D. All of these
18	The way of doing business by using web is called:	A. Sources of entertainment B. Web business C. E-commerce D. E-mail
19	In a vacuum all electromagnetic waves have the same:	A. Speed B. frequency C. amplitude D. wavelength
20	How many possible solutions are there for a problem?	A. One B. Two C. Three D. Multiple