

Sound

Sr	Questions	Answers Choice
1	The ration of external force applied on the spring to displacement is called:	<p>A. <input type="radio"/> Hooke's law</p> <p>B. <input type="radio"/> Constant</p> <p>C. <input checked="" type="radio"/> Spring constant</p> <p>D. <input type="radio"/> Force</p>
2	How does sound travel from its source to your ear?	<p>A. <input checked="" type="radio"/> By changes in air pressure</p> <p>B. <input type="radio"/> By vibration in wires or strings</p> <p>C. <input type="radio"/> By electromagnetic waves</p> <p>D. <input type="radio"/> By infrared waves</p>
3	The maximum displacement from mean position is called:	<p>A. <input type="radio"/> Maximum height</p> <p>B. <input type="radio"/> Time period</p> <p>C. <input checked="" type="radio"/> Amplitude</p> <p>D. <input type="radio"/> Interval</p>
4	The loudness of sound is most closely related to its:	<p>A. <input type="radio"/> Frequeucy</p> <p>B. <input type="radio"/> Period</p> <p>C. <input type="radio"/> Wavelength</p> <p>D. <input checked="" type="radio"/> Amplitude</p>
5	If there is no extension in the spring then the position is called:	<p>A. <input checked="" type="radio"/> Equilibrium position</p> <p>B. <input type="radio"/> unequilibrium</p> <p>C. <input type="radio"/> neutral equilibrium</p> <p>D. <input type="radio"/> stable equilibrium</p>
6	The speed of sound in the air at one atmospheric pressure at room temperature is:	<p>A. <input checked="" type="radio"/> 343 ms⁻¹</p> <p>B. <input type="radio"/> 346 ms⁻¹</p> <p>C. <input type="radio"/> 349 ms⁻¹</p> <p>D. <input type="radio"/> 339 ms⁻¹</p>
7	The water waves obey the laws of:	<p>A. <input type="radio"/> Reflection</p> <p>B. <input type="radio"/> Refraction</p> <p>C. <input type="radio"/> Diffraction</p> <p>D. <input checked="" type="radio"/> All of these</p>
8	Information storage device work on the principles of:	<p>A. <input type="radio"/> Heat</p> <p>B. <input type="radio"/> Sound</p> <p>C. <input type="radio"/> Light</p> <p>D. <input checked="" type="radio"/> Magnetism</p>
9	Micro waves are used in:	<p>A. <input type="radio"/> Radio</p> <p>B. <input type="radio"/> Television</p> <p>C. <input checked="" type="radio"/> Mobile phone</p> <p>D. <input type="radio"/> All of these</p>

10	If the intensity of faintest audible sound is I_0 and of another sound is I then sound level will be:	A. $K \log I/I_0$ B. $\log I/I_0$ C. $K \log I/I_0^2$ D. $K \log I/I_0$
11	Coaxial cable are used to transmit signals:	A. Magnet B. Electric C. Mechanical D. Both mechanical and magnet
12	The speed of sound in air at 0°C is:	A. 331 ms ⁻¹ B. 332 ms ⁻¹ C. 333 ms ⁻¹ D. 336 ms ⁻¹
13	Which of the following reasons increase the importance of computer:	A. Speedy B. Long time storage of memory C. Quick decision D. All of these
14	the motion in which the friction reduces the mechanical energy of the system as time passes and the amplitude of motion reduces is called:	A. SHM B. Random motion C. Damped motion D. Circulatory motion
15	What is fitted in telephone receiver:	A. Electromagnet B. Diaphragm C. Both a and b D. None
16	Bats can hear sound of frequency up to:	A. 100,000 Hz B. 25000 Hz C. 120,000 Hz D. 1000 Hz
17	The example of shock absorber of the vehicles are:	A. Simple harmonic motion B. Vibratory motion C. Damped motion D. Linear motion
18	In simple pendulum motion, restoring force is provided by:	A. Air resistance B. Tension in the string C. Inertia D. Weight of the body
19	Which component is output device of computer:	A. CPU B. C.D C. Keyboard D. Monitor
20	Which form of energy is sound?	A. Electrical B. Mechanical C. Thermal D. Chemical