

Sound

Sr	Questions	Answers Choice
1	the water waves after striking the hurdle will:	<p>A. reflect</p> <p>B. refract</p> <p>C. diffract</p> <p>D. all a b and c</p>
2	The speed of sound in iron at 25 °C is ms ⁻¹	<p>A. 5950</p> <p>B. 5900</p> <p>C. 6950</p> <p>D. 6940</p>
3	To hear echo, the distance between the observer and the obstacle is 17m then how much distance will the sound travel?	<p>A. 60m</p> <p>B. 54m</p> <p>C. 17m</p> <p>D. 34m</p>
4	At extreme position potential energy of the pendulum is:	<p>A. Maximum</p> <p>B. Minimum</p> <p>C. Both a and b</p> <p>D. Zero</p>
5	1 MB =	<p>A. 1022KB</p> <p>B. 1023KB</p> <p>C. 1024KB</p> <p>D. 1025KB</p>
6	The waves, which are used to detect the broken bones are called:	<p>A. Light waves</p> <p>B. x-rays</p> <p>C. sound waves</p> <p>D. both b and c</p>
7	When a body moves to and fro about a point, its motion is called:	<p>A. Random motion</p> <p>B. Vibratory motion</p> <p>C. Linear motion</p> <p>D. Rotatory motion</p>
8	The oscillations of a system in the presence of which force are called damp oscillations:	<p>A. Resistive force</p> <p>B. Attractive force</p> <p>C. Coulomb force</p> <p>D. Both a and b</p>
9	To hear echoes, the minimum distance of the obstacle from source of sound should be:	<p>A. 10 m</p> <p>B. 15 m</p> <p>C. 17 m</p> <p>D. 20 m</p>

10	Bets can hear sound of frequency up to:	A. 100,000 Hz B. 25000 Hz C. 120,000 Hz D. 1000 Hz
11	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. $K \log I/I_0$ D. $K \log I/I_0$
12	the waves have properties:	A. reflection B. refraction C. diffraction D. all of these
13	If the mass of bob of a simple pendulum is doubled, its time period:	A. Is doubled B. Becomes four times C. Remains same D. Becomes half
14	Sound waves are an example of:	A. Transverse waves B. Electromagnetic waves C. Longitudinal waves D. All of these
15	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. $F=m/a$
16	The speed of sound of water at 25 °C is:	A. 1530 ms ⁻¹ B. 1531 ms ⁻¹ C. 1560 ms ⁻¹ D. 1570 ms ⁻¹
17	The loudness of sound is most closely related to its:	A. Frequency B. Period C. Wavelength D. Amplitude
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 of the following reasons increase the importance of computer:	A. Speedy B. Long time storage of memory C. Quick decision D. All of these
20	The ration of external force applied on the spring to displacement is called:	A. Hooke's law B. Constant C. Spring constant D. Force