

Sound

Sr	Questions	Answers Choice
1	The displacement produced in the spring is directly proportional to force is called:	<p>A. Hook's law</p> <p>B. Boyle's law</p> <p>C. Newton's law</p> <p>D. Joule's law</p>
2	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>
3	The difference between the loudness of faintest audible sound and loudness of another sound is called:	<p>A. Pitch of sound</p> <p>B. Quality of sound</p> <p>C. Sound level</p> <p>D. Intensity of sound</p>
4	When frequency of sound wave is increased, which of the following decreases? i) Wavelength ii) Period iii) Amplitude	<p>A. i only</p> <p>B. (iii) only</p> <p>C. i and ii only</p> <p>D. i and iii only</p>
5	Radio waves are:	<p>A. Longitudinal waves</p> <p>B. Transverse waves</p> <p>C. Electromagnetic waves</p> <p>D. All of these</p>
6	The character by which loud and faint sound can be distinguished is called:	<p>A. Pitch</p> <p>B. Quality</p> <p>C. Loudness</p> <p>D. Intensity</p>
7	The example of shock absorber of the vehicles are:	<p>A. Simple harmonic motion</p> <p>B. Vibratory motion</p> <p>C. Damped motion</p> <p>D. Linear motion</p>
8	If the mass of bob of a simple pendulum is doubled, its time period:	<p>A. Is doubled</p> <p>B. Becomes four times</p> <p>C. Remains same</p> <p>D. Becomes half</p>
9	Time period is reciprocal of:	<p>A. Frequency</p> <p>B. Cycle</p> <p>C. Wave-length</p> <p>D. Amplitude</p>
		<p>A. Radio</p>

10	Micro waves are used in:	<p>B. Television</p> <p>C. Mobile phone</p> <p>D. All of these</p>
11	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>
12	High pitch means:	<p>A. High wavelength</p> <p>B. High frequency</p> <p>C. High time period</p> <p>D. High energy</p>
13	the number of waves passing through a point in one second is called:	<p>A. time period</p> <p>B. cycle</p> <p>C. frequency</p> <p>D. amplitude</p>
14	The waves in which particles of the medium vibrate parallel to the direction of waves are called:	<p>A. Longitudinal waves</p> <p>B. Transverse waves</p> <p>C. Electromagnetic waves</p> <p>D. Both a and c</p>
15	Astronauts in space need to communicate with each other by radio links because:	<p>A. Sound waves travel very slowly in space.</p> <p>B. Sound waves travel very fast in space</p> <p>C. Sound waves cannot travel in space</p> <p>D. Sound waves have low frequency in space</p>
16	The waves in which particles of the medium vibrate perpendicular to the direction of waves are:	<p>A. Electromagnetic waves</p> <p>B. Sound waves</p> <p>C. Both a and b</p> <p>D. Transverse waves</p>
17	The speed of sound was accurately measured in:	<p>A. 1736</p> <p>B. 1737</p> <p>C. 1738</p> <p>D. 1739</p>
18	Information storage devices work on the principles of:	<p>A. Heat</p> <p>B. Sound</p> <p>C. Light</p> <p>D. Magnetism</p>
19	For normal person audible frequency range for sound wave lies between.	<p>A. 10 Hz and 10KHz</p> <p>B. 20 Hz and 20KHz</p> <p>C. 25 Hz and 25KHz</p> <p>D. 30 Hz and 30KHz</p>
20	After how much time the echo must be heard?	<p>A. 0.1 s</p> <p>B. 0.10 s</p> <p>C. 0.20 s</p> <p>D. 0.50 s</p>