

## PPSC Physics Chapter 5 Waves and Wave Properties of Light

Sr	Questions	Answers Choice
1	For how long the sensation of sound persists in our brain.	A. 0.1 s B. 0.2 s C. 0.3 s D. 0.4 s
2	When wind blows in the same direction in which the sound travels, the sound velocity	A. Decreases B. Increases C. Remains unchanged D. Becomes zero
3	Which of the following is a mechanical wave.	A. X rays B. Radio waves C. Sound wave D. Light wave
4	Which term is used for the persistence of sound in a hall.	A. Resonance B. Acoustics C. Symphony D. Reverberation
5	Which of the title for combining of notes that produce jarring effect on the ear.	A. Noise B. Melody C. Harmony D. Discord
6	What will be the frequency if an empty vessel is filled with water.	A. Increases B. Decreases C. Remain unchanged D. Fundamental
7	Which characteristics successively increases in the musical scale.	A. Pitch B. Quality C. Loudness D. Amplitude
8	A pendulum vibrates with a time period of 1 s which range of sound is produced by it	A. Audible B. Infrasonic C. Ultrasonic D. Super sonic
9	What is the shape of a pure note	A. Sin wave B. Sawtooth C. Square wave D. Triangular wave
10	What will be the sound speed if the frequency is doubled.	A. zero B. Half C. Double D. Unchanged
11	In order to hear an echo what is the minimum distance between the sound and reflecting surface.	A. 0.65 m B. 16.5 m C. 1.65 m D. 165 m
12	A water wave is an example of	A. Electromagnetic wave B. Longitudinal wave C. Transverse wave D. Reverberation
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14	Echoes arise from	A. Reflection B. Refraction C. Diffraction D. Dispersion of sound waves
15	In case of longitudinal waves the individual particles of the medium move.	A. In circles B. In ellipses C. Parallel to wave propagation D. Perpendicular to wave

16	To produce beats it is necessary to use two waves.	A. Travelling in opposite direction B. Of slightly different frequencies C. Of equal wavelengths D. Of equal amplitudes
17	Difference in the density of two medium when waves are passing from one into another medium always results in the change in.	A. Wave speed B. Wave direction C. Both speed and direction D. Wave frequency
18	When mas of a string is increased 4 times its original value, the velocity of the wave.	A. Becomes double B. Reduces to one half C. Reduces to one fourth D. Increases 4 times to its original value
19	Frequency less than 120 Hz are known as	A. Infrasonic B. Ultra sonics C. Super sonics D. Infrared
20	Which property of waves is independent of the others.	A. Amplitude B. Velocity C. Frequency D. Wavelength