

## Physics ICS Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	In stationary waves the points which always remain at rest are.	A. Nodes B. Antinodes C. Crest D. Trough
2	In stationary waves, the velocity of particle at the node is.	A. Maximum B. Infinite C. Zero D. Variable
3	The periodic variations of sound between maximum and minimum loudness are called.	A. Doppler's effect B. reflection C. Laplace correction D. Beats
4	In order to produce beats, the two sound waves should have.	A. The same amplitude B. Slightly different amplitude C. The same frequency D. slightly different frequencies.
5	Two tuning forks of frequencies 260 Hz and 256 Hz are sounded together, the number of beats per second is.	A. 2 B. 258 C. 516 D. 4
6	Beats can be heard when difference of frequency is not more than.	A. 8 Hz B. 10 Hz C. 4 Hz D. 6 Hz
7	Two tuning forks of frequencies 240 Hz and 243 Hz are sounded together, the number of beats per second is.	A. Zero B. 2 C. 3 D. 4
8	On loading the prong of a tuning fork with wax, the frequency of sound.	A. Increases B. Decreases C. Remains same D. First increases then decrease
9	Diffraction is a special type of	A. Reflection B. Polarization C. Interference D. Refraction
10	When two identical waves superimposed, which can change.	A. Wave length B. Frequency C. Velocity D. Amplitude
11	When two identical travelling waves are superimposed, velocity of resultant wave.	A. Decreases B. Increases C. Remain same D. Becomes zero
12	Two waves of same frequency and moving in the same direction produces.	A. Interference B. Diffraction C. Beats D. Stationary waves
13	The process followed by Newton for the determination of speed of sound in air is	A. Adiabatic B. Isothermal C. Isobaric D. Isochoric
14	The speed of sound in air at 0 °C is 332 ms <sup>-1</sup> , Then the speed at 40 °C will be	A. 372 ms <sup>-1</sup> B. 356 ms <sup>-1</sup> C. 346 ms <sup>-1</sup> D. 332 ms <sup>-1</sup>
15	Velocity of sound is independent of	A. Temperature B. Density C. Pressure D. Medium

16	When sound waves enter in different medium, the quantity that remains unchanged is.	A. Intensity B. Speed C. Frequency D. Wave length
17	the velocity of sound is maximum at 20 °C in	A. Lead B. Copper C. Glass D. Iron