

Physics ICS Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	the velocity of sound at 0 °C is 332 ms ⁻¹ , the velocity of sound at 10 °C will be	A. 337.1 ms ⁻¹ B. 338.1 ms ⁻¹ C. 342.1 ms ⁻¹ D. 328.1 ms ⁻¹
2	Speed of sound in vacuum is	A. 280 ms ⁻¹ B. 332 ms ⁻¹ C. 333 ms ⁻¹ D. Zero ms ⁻¹
3	According to Newton's formula, the speed of sound in air at STP is	A. 332 ms ⁻¹ B. 340 ms ⁻¹ C. 350 ms ⁻¹ D. 280 ms ⁻¹
4	According to Newton, sound travels in air under conditions of.	A. Adiabatic B. Isothermal C. Isobaric D. Isochoric
5	If 30 waves per second pass through a medium at a speed 30 ms ⁻¹ , then the wavelength is.	A. 30 m B. 15 m C. 1 m D. 28 m
6	If the wave motion is 0.01 sec and wave speed is 100 ms ⁻¹ then frequency of wave is.	A. 0.5 Hz B. 1 Hz C. 10 Hz D. 100 Hz
7	The distance between two consecutive trough is called.	A. Displacement B. Amplitude C. Wave length D. Wave front
8	The distance between two consecutive crest is called.	A. Displacement B. Amplitude C. Wave front D. Wavelength
9	If 20 waves passes through the medium in 2 sec of 10 ms ⁻¹ then the wavelength is.	A. 200 m B. 2 m C. 1 m D. 0.5 m
10	Crests and trough are formed in.	A. Longitudinal waves B. transverse waves C. Stationary waves D. Compression waves
11	If 332 waves pass through a medium in 1 second with speed of 332 ms ⁻¹ then wavelength will be	A. 7 m B. 332 m C. 664 m D. 1 m
12	The profile of periodic waves generated by a source executing S.H.M is represented by a.	A. Circle B. Sine curve C. Tangent curve D. Cosine curve
13	10 waves pass through a point in 2 seconds with speed 10 ms ⁻¹ the frequency of wave will be	A. 1 Hz B. 2 Hz C. 5 Hz D. 10 Hz
14	Half wavelength corresponds to	A. 0 ^o B. 90 ^o C. 180 ^o D. 360 ^o
15	The distance covered by wave in 1 sec is	A. wavelength B. Wave number C. Wave speed D. Frequency

16	the wavelength of transverse wave travelling with a speed 'v' having frequency 'f' is equal to	A. f/v B. Vf C. V/f D. f/V^2
17	In vibrating string, the points where the amplitude is maximum are called.	A. Nodes B. Antinodes C. Troughs D. Crests