Physics ICS Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	The compressions and elongations are formed in.	A. Particle waves B. Longitudinal waves C. Statinary waves D. Transverse waves
2	Ratio of the fundamental frequency of an open end and closed end organ pipe of same length is.	A. 2 : 1 B. 1 : 2 C. 1 : 1 D. 4 :1
3	The bending of waves around an obstacle is called.	A. Refraction B. Reflection C. Diffraction D. Interference
4	If amplitude of wave is doubled the energy becomes.	A. Four times B. Half C. Twice D. Six times
5	The principle of superposition in waves is stated as.	A. The displacemnt of wave is the sum of the displacement of its individual components B. The velocity of a wave is the product of its indivisudla components C. The frequency of a wave is the differecne of tis individual componetns D. The amplitude of a wave is the rato of its individual components
6	The ripple tank is used to study various features of	A. Wave B. Particle C. Light D. Sound
7	The portion of wave below the mean position is called.	A. Crest B. Trough C. Frequncy D. Wave Length
8	Crests and Troughs are formed in	A. Stationalry waves B. Matter waves C. Mechaemical waves D. Transverse waves
9	A notde in a stationary wave is.	A. A point of maximum displacement B. A point of intermediate displacement C. A point ofzero displacement D. A point of infiinte displacement
10	Radar System is an application of.	A. Interference B. Beats C. Stationary waves D. Doppler's Effect
11	The path difference is an integral multiple of wavelength in	A. Constructitve intrference B. Constructive and destructie interference C. destructive intereference D. Superposition
12	If 20 waves pass through medium in one second with a speed of 20 m/sec than wavelength is	A. 1 m B. 10m C. 20m D. 2 m
13	The waves produced due to oscillation of electric and magnetic fields are.	A. E.M. Waves B. Mechanicla waves C. Sound waves

		C. Sound waves D. Light waves
14	Harmonics are	A. Integer multiple sof a fundamental frequency B. Integer submultiples of a fundamental frequency C. Random frequencies D. Non integer multiples of a fundamantal frequency
15	In order of produce beat, the two sound waves should have.	A. The same amplitude B. Slightly different amplitude C. Slightly different frequencies D. The same frequency
16	If the amplitude of the wave is tripled. then the amount of energy is increased by	A. 3 times B. 6 times C. 9 times D. 12 times
17	The beats are result of.	A. Interference B. Superposition C. Destructive interference D. Constructive and destuctive interference
18	Portion of the transverse waves above the men position is	A. Crest B. Through C. Amplitude D. Wave length
19	Two light waves which ar enot coherent cannot be	A. Interference B. Diffracted C. Polarized in the same plane D. Superposed
20	Example of mechanical way is.	A. Water wave B. Radio wave C. Infrared wave D. Ultraviolet