Physics ICS Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	The wave is used to transfer.	A. Energy B. Mass C. Weight D. Frequency
2	The point of maximum displaceemnt on stationary wave is	A. Antinode B. Node C. Trough D. Crest
3	The distance between two consecutive throughs is.	A. Frequency B. Wave front C. Wave Length D. Speed
4	Energy is not carried by	A. Transverse wave B. Loongitudinal wave C. Stationary wave D. Progressive wave
5	Two light waves which ar enot coherent cannot be	A. Interference B. Diffracted C. Polarized in the same plane D. Superposed
6	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
7	If 30 waves per second pass through a medium at speed of 30 ms-1, the wavelength is.	A. 30 m B. 15 m C. 900 m D. 1 m
8	In number of nodes in open end organs pipes are 'N' THEN THE NUMBER OF ANTINODES ARE.	A. N B. N+1 C. N - 1 D. N - 2
9	What type of waves do headphones use to produce sound	A. Electromagnetic waves B. Mechancial waves C. Pressure waves D. Longitudinal waves
10	Two identical waves moving in same direction produce.	A. Beats B. Interference C. Stationary D. Diffraction
11	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
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	Open end of an organpipe act as.	A. Node B. Anti Node C. Crest D. Trough

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	The path difference is an integral multiple of wavelength in	A. Constructitve intrference B. Constructive and destructie interference C. destructive intereference D. Superposition
16	A one meter long string establishes two loops waves length of the wave is.	A. 1 m B. 0.5 m C. 0.25 m D. 2 m
17	At the closed end of an air column there exist	A. Node B. Anti node C. Crest D. Trough
18	In transverse waves, the particles vibrate.	A. Parallel B. Perpendicular C. Opposie D. Anti Parallel
19	The waves produced due to oscillation of electric and magnetic fields are.	A. E.M. Waves B. Mechanicla waves C. Sound waves D. Light waves
20	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