

Physics Fsc Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	Waves produced over strings are.	A. Stationary waves B. Mechanical Waves C. Standing waves D. Both a and c
2	Beats can be heard when difference of frequency is not more than.	A. 10 Hz B. 8 Hz C. 4 Hz D. 6 Hz
3	The path difference is an integral multiple of wavelength in	A. Constructive interference B. Constructive and destructive interference C. destructive interference D. Superposition
4	If a stretched string is 4 m and it has 4 loops of stationary waves, then wavelength is.	A. 1 m B. 2 m C. 3 m D. 4 m
5	The wave is used to transfer.	A. Energy B. Mass C. Weight D. Frequency
6	If 20 waves pass through medium in one second with a speed of 20 m/sec then wavelength is	A. 1 m B. 10 m C. 20 m D. 2 m
7	At the closed end of an air column there exist	A. Node B. Anti node C. Crest D. Trough
8	High frequency radio waves used in radars travel in water.	A. Few centimeter B. Few meter C. Few kilometer D. No Distance
9	A set of frequencies which are multiples of the fundamental frequency are called.	A. Doppler effect B. Nodal frequencies C. Harmonics D. Beat frequencies
10	Radar System is an application of.	A. Interference B. Beats C. Stationary waves D. Doppler's Effect
11	The bending of waves around an obstacle is called.	A. Refraction B. Reflection C. Diffraction D. Interference
12	What type of waves do headphones use to produce sound	A. Electromagnetic waves B. Mechanical waves C. Pressure waves D. Longitudinal waves
13	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
14	The Doppler Effect used in astronomy is for.	A. Measuring the diameters of stars B. Determining velocity of galaxies C. Analyzing properties of black holes D. Studying behaviour of electromagnetic waves

15	Open end of an organ pipe act as.	A. Node B. Anti Node C. Crest D. Trough
16	In order to produce beat, the two sound waves should have.	A. The same amplitude B. Slightly different amplitude C. Slightly different frequencies D. The same frequency
17	If the tension of a stretched string is made four times, then the velocity of wave.	A. Remain same B. Is halved C. Becomes twice D. Becomes 4 times
18	The particles of medium in longitudinal wave vibrate in direction of propagation	A. Parallel B. Perpendicular C. Upward D. None of these
19	A stationary wave is established in a string which vibrates in four segments at a frequency of 120 Hz. Its fundamental frequency is.	A. 30 Hz B. 15 Hz C. 60 Hz D. 480 Hz
20	The ripple tank is used to study various features of	A. Wave B. Particle C. Light D. Sound