

Physics ICS Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	In number of nodes in open end organs pipes are 'N' THEN THE NUMBER OF ANTINODES ARE.	<p>A. N</p> <p>B. $N+1$</p> <p>C. $N - 1$</p> <p>D. $N - 2$</p>
2	A stationary wave is established in a string which vibrates in four segments at a frequency of 120 Hz. Its fundamental frequency is.	<p>A. 30 Hz</p> <p>B. 15 Hz</p> <p>C. 60 Hz</p> <p>D. 480 Hz</p>
3	Two identical waves moving in same direction produce.	<p>A. Beats</p> <p>B. Interference</p> <p>C. Stationary</p> <p>D. Diffraction</p>
4	Transverse waves can't be produced in	<p>A. Solids</p> <p>B. Metal</p> <p>C. gas</p> <p>D. fluids</p>
5	Radar System is an application of.	<p>A. Interference</p> <p>B. Beats</p> <p>C. Stationary waves</p> <p>D. Doppler's Effect</p>
6	What type of waves do headphones use to produce sound	<p>A. Electromagnetic waves</p> <p>B. Mechanical waves</p> <p>C. Pressure waves</p> <p>D. Longitudinal waves</p>
7	The waves produced due to oscillation of electric and magnetic fields are.	<p>A. E.M. Waves</p> <p>B. Mechanical waves</p> <p>C. Sound waves</p> <p>D. Light waves</p>
8	The portion of wave below the mean position is called.	<p>A. Crest</p> <p>B. Trough</p> <p>C. Frequency</p> <p>D. Wave Length</p>
9	The point of maximum displacement on stationary wave is	<p>A. Antinode</p> <p>B. Node</p> <p>C. Trough</p> <p>D. Crest</p>
10	The particles of medium in longitudinal wave vibrate direction of propagation	<p>A. Parallel</p> <p>B. Perpendicular</p> <p>C. Upward</p> <p>D. None of these</p>
11	If the tension of a stretched string is made four times, then the velocity of wave.	<p>A. Remain same</p> <p>B. Is halved</p> <p>C. Becomes twice</p> <p>D. Becomes 4 times</p>
12	If amplitude of wave is doubled the energy becomes.	<p>A. Four times</p> <p>B. Half</p> <p>C. Twice</p> <p>D. Six times</p>
13	The beats are result of.	<p>A. Interference</p> <p>B. Superposition</p> <p>C. Destructive interference</p> <p>D. Constructive and destructive interference</p>
14	Waves produced over strings are.	<p>A. Stationary waves</p> <p>B. Mechanical Waves</p> <p>C. Standing waves</p> <p>D. Both a and c</p>
15	A one meter long string establishes two loops waves length of the wave is.	<p>A. 1 m</p> <p>B. 0.5 m</p> <p>C. 0.25 m</p>

		D. $2m$
16	The Doppler Effect used in astronomy is for.	<p>A. Measuring the diameters of stars</p> <p>B. Determining velocity of galaxies</p> <p>C. Analyzing properties of black holes</p> <p>D. Studying behaviour of electromagnetic waves</p>
17	Crests and Troughs are formed in	<p>A. Stationary waves</p> <p>B. Matter waves</p> <p>C. Mechanical waves</p> <p>D. Transverse waves</p>
18	Stationary waves are defined as.	<p>A. Waves that move with a constant velocity</p> <p>B. Waves that move with a changing velocity</p> <p>C. Waves that oscillate in a fixed position</p> <p>D. Waves that propagate through a medium</p>
19	Energy is not carried by	<p>A. Transverse wave</p> <p>B. Longitudinal wave</p> <p>C. Stationary wave</p> <p>D. Progressive wave</p>
20	The result of constructive interference between two waves is represented as.	<p>A. A decrease in amplitude</p> <p>B. An increase in amplitude</p> <p>C. No change in amplitude</p> <p>D. A shift in phase</p>