

Physics Fsc Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	The principle of superposition in waves is stated as.	<p>A. <p>The displacemnt of wave is the sum of the displacement of its individual components</p></p> <p>B. <p>The velocity of a wave is the product of its indivisudla components</p></p> <p>C. <p>The frequency of a wave is the differecne of tis individual componetns</p></p> <p>D. <p>The amplitude of a wave is the rato of its individual components</p></p>
2	The Doppier Effect used in astronomy is for.	<p>A. <p>Measuring the diameners of stars</p></p> <p>B. <p>Determing velocity of galaxies</p></p> <p>C. <p>Analyzing properties of black holes</p></p> <p>D. <p>Studying behaviour of electromagnetic waves</p></p>
3	Which one of the following medium cna transmit both transverse and longitudinal wave.	<p>A. <p>Liquid</p></p> <p>B. <p>Solid</p></p> <p>C. <p>gas</p></p> <p>D. <p>Both a and b</p></p>
4	Example of mechanical way is.	<p>A. <p>Water wave</p></p> <p>B. <p>Radio wave</p></p> <p>C. <p>Infrared wave</p></p> <p>D. <p>Ultraviolet</p></p>
5	If the tension of a stretched string is made four times, then the velocityof wave.	<p>A. <p>Remain same</p></p> <p>B. <p>Is halved</p></p> <p>C. <p>Becomes twice</p></p> <p>D. <p>Becomes 4 times</p></p>
6	The beats are result of.	<p>A. <p>Interference</p></p> <p>B. <p>Superposition</p></p> <p>C. <p>Destructive interference</p></p> <p>D. <p>Constructive and destuctive interference</p></p>
7	The distance between two consecutive throughs is.	<p>A. <p>Frequency</p></p> <p>B. <p>Wave front</p></p> <p>C. <p>Wave Length</p></p> <p>D. <p>Speed</p></p>
8	High rrequency radio waes used in radars travel in water.	<p>A. <p>Few centimeter</p></p> <p>B. <p>Few meter</p></p> <p>C. <p>Few kilometer</p></p> <p>D. <p>No Distance</p></p>
9	If the amplitude of the wave is tripled. then the amount of energy is increased by	<p>A. <p>3 times</p></p> <p>B. <p>6 times</p></p> <p>C. <p>9 times</p></p> <p>D. <p>12 times</p></p>
10	Stationary waves are define das.	<p>A. <p>Waves that move with a constant velocity</p></p> <p>B. <p>Waves that move with a changing velocity</p></p> <p>C. <p>Waves that oscillate ina fixed position</p></p> <p>D. <p>Waves that propagate through a medium</p></p>
11	If 20 waves pass through medium in one second with a speed of 20 m/sec than wavelength is	<p>A. <p>1 m</p></p> <p>B. <p>10m</p></p> <p>C. <p>20m</p></p> <p>D. <p>2 m</p></p>
12	Beats can be heard when differecne of frequency is not more than.	<p>A. <p>10 Hz</p></p> <p>B. <p>8 Hz</p></p> <p>C. <p>4 Hz</p></p> <p>D. <p>2 Hz</p></p>

13	Two light waves which are not coherent cannot be	<p>A. <p>Interference</p></p> <p>B. <p>Diffracted</p></p> <p>C. <p>Polarized in the same plane</p></p> <p>D. <p>Superposed</p></p>
14	Diffraction effect is.	<p>A. <p>More for a round edge</p></p> <p>B. <p>Less for a round edge</p></p> <p>C. <p>More for a sharp edge</p></p> <p>D. <p>Less for a blunt edge</p></p>
15	In number of nodes in open end organs pipes are 'N' THEN THE NUMBER OF ANTINODES ARE.	<p>A. <p>N</p></p> <p>B. <p>N+1</p></p> <p>C. <p>N - 1</p></p> <p>D. <p>N - 2</p></p>
16	The particles of medium in longitudinal wave vibrate direction of propagation	<p>A. <p>Parallel</p></p> <p>B. <p>Perpendicular</p></p> <p>C. <p>Upward</p></p> <p>D. <p>None of these</p></p>
17	Energy is not carried by	<p>A. <p>Transverse wave</p></p> <p>B. <p>Longitudinal wave</p></p> <p>C. <p>Stationary wave</p></p> <p>D. <p>Progressive wave</p></p>
18	The result of constructive interference between two waves is represented as.	<p>A. <p>A decrease in amplitude</p></p> <p>B. <p>An increase in amplitude</p></p> <p>C. <p>No change in amplitude</p></p> <p>D. <p>A shift in phase</p></p>
19	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. <p>30 Hz</p></p> <p>B. <p>15 Hz</p></p> <p>C. <p>60 Hz</p></p> <p>D. <p>480 Hz</p></p>
20	A one meter long string establishes two loops waves length of the wave is.	<p>A. <p>1 m</p></p> <p>B. <p>0.5 m</p></p> <p>C. <p>0.25 m</p></p> <p>D. <p>2 m</p></p>