

ECAT Pre General Science Physics Chapter 8 Waves

Sr	Questions	Answers Choice
1	A traveling wave has a shape of:	A. Square wave B. Sine wave C. Parabola D. hyperbola
2	A heavily damped system has a fairly	A. sharp resonance curve B. flat resonance curve C. both of them D. none of them
3	Which of the following is the longitudinal waves?	A. Sound waves B. Waves on plucked string C. Water waves D. Light waves
4	The process in which energy is dissipated from the oscillating system is known as	A. resonance B. interference C. diffraction D. damping
5	The principle of superposition states that	A. The total displacement due to several waves is the sum of the displacement due to those waves acting individually B. Two stationary waves superimpose to give two progressive waves C. A diffraction pattern consists of many interference patterns superimposed on one another D. Two progressive waves superimpose to give a stationary wave
6	Crests and troughs are formed in:	A. Longitudinal waves B. Transverse waves C. Both of these D. None of these
7	The speed of sound in a medium depends on	A. The elastic property but not on the inertia property B. The inertia property but not on the elastic property C. The elastic property as well as the inertia property D. Neither the elastic property nor the inertia property
8	Which one of the following elasticizes is possessed by fluids:	A. Young's elastic modulus (length) B. Bulk elastic modulus (volume) C. Modulus of rigidity (shape) D. None of these
9	Wave disturbances may also come in a concentrated bundle, like shock wave from an aeroplane flying at	A. subsonic speed B. sonic speed C. super sonic speed D. any one of them
10	The example of mechanical wave is	A. waves in ropes B. waves on water surface C. waves in air D. all of them
11	Which one of the following wave motions is transverse:	A. Wave motion produced in water when a piece of stone is thrown into i B. Pulling of weight hanging vertically with a spiral spring C. Both of these D. None of these
12	The waves produced in a microwave oven have wavelength.	A. 12 mm B. 12 cm C. 12 m D. 12 mm
		A. Kilometer

13	SI unit of wave length is:	B. Metre C. Centimetre D. Hertz
14	The force which opposes the applied force producing the displacement in the spring is called	A. restoring force B. periodic force C. centripetal force D. resistive force
15	Two sound waves of slightly different frequencies propagating in the same direction produce beats due to	A. Interference B. Diffraction C. Polarization D. Refraction
16	When a mass 'm' is pulled slowly, the spring stretches by an amount x_0 ,then the average force would be	A. F= Kx ₀ B. F=1/2Kx ₀ C. F=2Kx ₀ D. F=4Kx ₀
17	When an oscillatory motion repeats itself, then this type of motion is called	A. vibratory motion B. constant motion C. fixed motion D. periodic motion
18	If the length of second pendulum becomes four times then its time period will become	A. Four time B. Two times C. Six times D. Eight times
19	The waves which propagate out in the space due to oscillations of electric and magnetic fields are called:	A. Mechanical waves B. Electromagnetic waves C. Matter waves D. All of them
20	While describing the motion of a simple pendulum, the frictional effects are	A. taken into account B. completely ignored C. partially ignored D. none of them