

## ECAT Pre General Science Physics Chapter 8 Waves

Sr	Questions	Answers Choice
1	If one end of a rubber cord is fixed with a support and the other end is wiggled by hand, the waves generated on the card are:	A. Stationary waves B. Transverse waves C. Both of these D. None of these
2	Example of vibratory motion is	A. mass suspended from a spring B. a bob of simple pendulum C. mass attached to a spring placed D. all of them
3	What is frequency of radio waves transmitted by a station, if the wavelength of those waves is 300 m?	A. 1 MHz B. 10 Hz C. 1 GHz D. 100000 Hz
4	Associated with the motion of a driven harmonic oscillator, there is a very striking phenomenon, know as	A. waves B. beat C. interference D. resonance
5	Two sound waves of slightly different frequencies propagating in the same direction produce beats due to	A. Interference B. Diffraction C. Polarization D. Refraction
6	A heavily damped system has a fairly	A. sharp resonance curve B. flat resonance curve C. both of them D. none of them
7	In solids, only following type/s of wave can travel:	A. Transverse B. Longitudinal C. Both A and B D. None of them
8	When a body is performing S.H.M., its acceleration is	A. inversely proportional to the displacement B. directly proportional to the applied force C. directly proportional to the amplitude D. directly proportional to the displacement but in opposite direction
9	The portion of the water above its mean level forms a:	A. Crest B. Trough C. Both A and B D. None of these
10	Fluids can transmit:	A. Transverse wave B. Compressional wave C. Both of them D. None of them
11	For transmission of both transverse and longitudinal waves, we can use:	A. Solid B. Gas C. Plasma D. None of these
12	A second's pendulum is a pendulum whose time period is	A. 1 second B. 2 seconds C. 3 seconds D. 4 seconds
13	The frequency of free vibrations is known as	A. free frequency B. forced frequency C. natural frequency D. un-natural frequency
14	Which one of the following could be the frequency of ultraviolet radiation?	A. $1.0 \times 10^6$ Hz B. $1.0 \times 10^9$ Hz C. $1.0 \times 10^{12}$ Hz D. $1.0 \times 10^{15}$ Hz

15	If the displacement of a body executing S.H.M is plotted against time, then the curve is known as	A. frequency of S.H.M B. period of S.H.M C. wave form D. none of them
16	When sound waves travel from air to water which of these remains constant?	A. Velocity B. Frequency C. Wavelength D. All the above
17	Angular frequency 'w' is basically a characteristics of	A. linear motion B. circular motion C. both of them D. none of them
18	Which waves are used in sonography?	A. Microwaves B. Infra red waves C. Sound waves D. Ultrasonic waves
19	The expression of Hook's law is	A. $F=ma$ B. $F=kx$ C. $F= -kx$ D. $-kx=ma$
20	The waves moving from a sitar to a listener in air are	A. Longitudinal progressive B. Longitudinal stationary C. Transverse progressive D. Transverse stationary