ECAT Pre General Science Physics Chapter 8 Waves Online Test

Sr	Questions	Answers Choice
1	For transmission of both transverse and longitudinal waves, we can use:	A. Solid B. Gas C. Plasma D. None of these
2	transverse wave motion is possible in:	A. Air B. A mixture of NH₃and O₂ C. Strings D. All of these
3	The wave motion set up in any medium depends upon:	A. Elasticity B. Inertia C. Density D. All of these
4	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
5	Which one of the following wave motions is transverse:	A. Wave motion produced in water when a piece of stone is thrown into it B. Pulling of weight hanging vertically with a spiral spring C. Both of these D. None of these
6	Of the following, the option _____ reminds of longitudinal waves.	A. Sound waves B. Heat waves C. Electromagnetic waves D. Light waves
7	Crests and troughs are formed in:	A. Longitudinal waves B. Transverse waves C. Both of these D. None of these
8	In transverse waves, the individual particles of the medium move:	A. In circles B. Perpendicular to the direction of level C. Parallel to the direction of level D. None of these
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	SI unit of wave length is:	A. Kilometer B. Metre C. Centimetre D. Hertz
11	When the particles of the medium vibrate about their mean position, along the direction of the motion of waves, then the waves are called:	A. Longitudinal waves B. Transverse waves C. Water waves D. Complex waves
12	In the formula for finding the speed of waves in the spring, unit of m in SIn units is:	A. kg B. kg-meter C. kg/meter D. Meter/kg
13	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
14	Which of the following medium/media can transmit both transverse and longitudinal waves:	A. Solids B. Liquids C. Gases D. All of them

15	In solids, only following type/s of wave can travel:	A. Transverse B. Longitudinal C. Both A and B D. None of them
16	Fluids can transmit:	A. Transverse wave B. Compressional wave C. Both of them D. None of them
17	Transverse waves can be set up:	A. Solids B. Liquids C. Gases D. All of them
18	In compressional wave,the layer of medium having reduced pressure is called:	A. Compression B. Elasticity C. Node D. Rarefaction
19	A string is stretched between two points and is plucked at right angles to its length, the vibration produced is:	A. Longitudinal wave B. Transverse wave C. No vibration at all D. None of them
20	The square of 0.4 is:	A. Greater than 0.4 B. Smaller than 0.4 C. Equal to 0.4 D. None of them
21	In the same medium, velocity of the wave:	A. Goes on increasing B. Remains constant C. Goes on decreasing D. None of these
22	A traveling wave has a shape of:	A. Square wave B. Sine wave C. Parabola D. hyperbola
23	The distance covered by the wave in one second is:	A. Wave number B. Wave length C. Frequency D. Wave speed
24	The distance covered by the wave during one period is called its:	A. Wave number B. Frequency C. Wavelength D. Time period
25	Longitudinal waves are also called:	A. Congressional waves B. Transverse waves C. Radio waves D. None of them
26	Which of the following is not mechanical wave?	A. Sound wave B. Light wave C. wave produced in spring D. None of them
27	When a wave is travels from one place to another, it transfers:	A. Matter B. Energy C. Momentum D. Both B and C
28	Which of the following is/are example/s if mechanical waves i.e. waves generated in _____:	A. Rope B. Coil of spring C. Water D. All of them
29	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
30	The waves which propagate through the oscillations of material particles are known as:	A. Mechanical waves B. Electromagnetic waves C. Any of them D. None of them