

Physics ECAT Pre Engineering 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 NH_3 and O_2 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 cord 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 SI units is:	A. kg B. kg-meter C. kg/meter D. Meter/kg
13	Which one of the following elasticities 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

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In solids, only following type/s of wave can travel:

- A. Transverse
 - B. Longitudinal
 - C. Both A and B
 - D. None of them
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