

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 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 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 i 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 Sln 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

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Fluids can transmit: Fluids can transmit: Transverse we'ves can be set up: Transverse we'ves can be set up: A Solids Eliptide C, Gates D, A compressional Liptide C, Gates D, A compression In compressional-wave, the layer of medium having reduced pressure is called: A string is stretched between two points and is plucked at right angles to its length, the Vibration produced is: The square of 0.4 is: The square of 0.4 is: A traveling wave has a shape of: A traveling wave has a shape of: The distance covered by the wave in one second is: The distance covered by the wave during one period is called its: The distance covered by the wave during one period is called its: English of the same produced is: Complication The distance covered by the wave during one period is called its: The distance covered by the wave during one period is called its: English of the same produced is: Complication The distance covered by the wave during one period is called its: The distance covered by the wave during one period is called its: English of the same produced in spring-clin- D. Wave spring- D. Wave sumptor E. Frequency D. Wave	15	In solids, only following type/s of wave can travel:	A. I ransverse B. Longitudinal C. Both A and B D. None of them
17 Transverse waves can be set up: 18 In compressional wave, the layer of medium having reduced pressure is called: 19 A string is stretched between two points and is plucked at right angles to its length, the where the other of them. 20 The square of 0.4 is: 21 In the same medium, velocity of the wave: 22 A traveling wave has a shape of: 23 A traveling wave has a shape of: 24 A traveling wave has a shape of: 25 A traveling wave has a shape of: 26 B Sine wave C Parabola D The distance covered by the wave in one second is: 27 The distance covered by the wave during one period is called its: 28 Fraquency D Without of the following is not mechanical wave? 29 Which of the following is not mechanical wave? 20 Which of the following is/are example/s if mechanical waves i.e. waves generated in felicity are called: 29 The waves which propagate through the oscillations of electric and megnetic fields are called: 20 Which of the following is/are example/s if mechanical waves i.e. waves generated in felicity are called: 20 Which of the following is/are example/s if mechanical waves i.e. waves generated in felicity are called: 20 The waves which propagate through the oscillations of electric and megnetic fields are called: 21 The waves which propagate through the oscillations of material particles are known as: 22 C Alter waves C Alter frame C A Machanical waves C Alter frame C A Machanical waves C Alter frame C Whater or machanical waves C Relation wave	16	Fluids can transmit:	B. Compressional wave C. Both of them
In compressional wave, the layer of medium having reduced pressure is called: B. Elasidicty C. Node	17	Transverse waves can be set up:	B. Liquids C. Gases
A string is stretched between two points and is plucked at right angles to its length, the vibration produced is: 20 The square of 0.4 is: 21 In the same medium, velocity of the wave: 22 A traveling wave has a shape of: 23 The distance covered by the wave in one second is: 24 The distance covered by the wave during one period is called its: 25 Longitudinal waves are also called: 26 Which of the following is not mechanical wave? 27 When a wave is travels from one place to another, it transfers: 28 Which of the following is/are example/s if mechanical waves i.e. waves generated in felds are called: 29 The waves which propagate through the oscillations of material particles are known as: 20 The waves which propagate through the oscillations of material particles are known as: 20 The waves which propagate through the oscillations of material particles are known as: 20 The waves which propagate through the oscillations of material particles are known as: 21 The waves which propagate through the oscillations of material particles are known as: 22 The waves which propagate through the oscillations of material particles are known as: 23 The waves which propagate through the oscillations of material particles are known as: 24 The waves which propagate through the oscillations of material particles are known as: 25 Lead of them 26 A Matter waves 27 A Material waves 28 Electromagnetic waves 29 The waves which propagate through the oscillations of material particles are known as: 28 Electromagnetic waves 29 C A yellow them 29 The waves which propagate through the oscillations of material particles are known as: 29 The waves which propagate through the oscillations of material particles are known as: 20 The waves which propagate waves 20 The material particles are known as: 20 The waves which propagate waves 20 The through the same than 0.4 21 The waves which propagate through the coscillations of material particles are known as: 21 The waves which propagate through the coscillations of mater	18	In compressional wave, the layer of medium having reduced pressure is called:	B. Elasticity C. Node
The square of 0.4 is: S. Smaller than 0.4	19		B. Transverse wave C. No vibration at all
21 In the same medium, velocity of the wave: C. Goes on decreasing D. None of these	20	The square of 0.4 is:	B. Smaller than 0.4 C. Equal to 0.4
A traveling wave has a shape of: C. Parabola D. hyperbola A Wave number B. Wave length C. Frequency D. Wave speed The distance covered by the wave in one second is: The distance covered by the wave during one period is called its: A Wave number B. Frequency D. Wave speed A Wave number B. Frequency D. Wavelength D. Time period A Congressional waves B. Transverse waves D. None of them A Sound waves D. None of them Which of the following is not mechanical wave? A Sound wave D. None of them When a wave is travels from one place to another, it transfers: Which of the following is/are example/s if mechanical waves i.e. waves generated in D. Both B and C Which of the following is/are example/s if mechanical waves i.e. waves generated in The waves which propagate out in the space due to oscillations of electric and magnetic fields are called: The waves which propagate through the oscillations of material particles are known as: B Electromagnetic waves C. Any of them A Mechanical waves B. Electromagnetic waves C. Any of them	21	In the same medium, velocity of the wave:	B. Remains constant C. Goes on decreasing
The distance covered by the wave in one second is: B. Wave length C. Frequency D. Wave speed A. Wave number B. Frequency C. Wavelength D. Time period A. Congressional waves B. Transverse waves C. Radio waves D. None of them A. Sound wave B. Light wave C. <div>→wave produced in spring <div>→ D. None of them A. Matter B. Energy C. Momentum D. Both B and C Which of the following is/are example/s if mechanical waves i.e. waves generated in E. C. Water D. All of them A. Rope B. Coil of spring C. Water D. All of them A. Mechanical waves B. Electromagnetic waves C. Matter waves D. All of them A. Mechanical waves B. Electromagnetic waves C. Matter waves D. All of them A. Mechanical waves B. Electromagnetic waves C. All of them A. Mechanical waves B. Electromagnetic waves C. All of them A. Mechanical waves B. Electromagnetic waves C. All of them A. Mechanical waves B. Electromagnetic waves C. All of them A. Mechanical waves B. Electromagnetic waves C. All of them A. Mechanical waves B. Electromagnetic waves C. All of them</div></div>	22	A traveling wave has a shape of:	B. Sine wave C. Parabola
The distance covered by the wave during one period is called its: B. Frequency C. Wavelength D. Time period A. Congressional waves B. Transverse waves C. Radio waves D. None of them A. Sound wave B. Light wave C. <div>wave produced in spring</div> D. None of them A. Matter B. Energy C. Momentum D. Both B and C Which of the following is/are example/s if mechanical waves i.e. waves generated in E. Coil of spring C. Water D. All of them A. Mechanical waves B. Electromagnetic waves C. <div>wave D. All of them A. Rope B. Coil of spring C. Water D. All of them A. Mechanical waves D. All of them A. Mechanical waves B. Electromagnetic waves D. All of them</div>	23	The distance covered by the wave in one second is:	B. Wave length C. Frequency
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Which of the following is not mechanical wave? B. Light wave C. <div>wave produced in spring</div> D. None of them A. Matter B. Energy C. Momentum D. Both B and C Which of the following is/are example/s if mechanical waves i.e. waves generated in Which of the following is/are example/s if mechanical waves i.e. waves generated in The waves which propagate out in the space due to oscillations of electric and magnetic fields are called: A. Rope B. Coil of spring C. Water D. All of them A. Mechanical waves C. Matter waves C. Matter waves D. All of them A. Mechanical waves B. Electromagnetic waves C. Matter waves D. All of them A. Mechanical waves C. Matter waves D. All of them A. Mechanical waves B. Electromagnetic waves C. Any of them	25	Longitudinal waves are also called:	B. Transverse wavesC. Radio waves
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	30	The waves which propagate through the oscillations of material particles are known as:	B. Electromagnetic waves C. Any of them