

## Physics ECAT Pre Engineering Chapter 8 Waves Online Test

Sr	Questions	Answers Choice
1	Two sources of sound are said to be coherent if	A. The produce sounds of equal intensity B. They produce sounds of equal frequency C. They produce sound waves vibrating with the same phase D. They produce sound waves with zero or constant phase difference all instant of time
2	When sound waves travel from air to water which of these remains constant?	A. Velocity B. Frequency C. Wavelength D. All the above
3	Which type of wave can be set up in solids	A. longitudinal waves B. transverse waves C. both of them D. none of them
4	The waves in which the particles of the medium have displacement along the direction of propagation of waves are called	A. longitudinal waves B. transverse waves C. non-mechanical waves D. none of them
5	The waves in which the particles of the medium are displaced in a direction perpendicular to the direction of propagation of waves are known as	A. longitudinal waves B. transverse waves C. non-mechanical waves D. none of them
6	Example of progressive wave is	A. transverse waves B. longitudinal waves C. both of them D. none of them
7	A wave, which transfer energy by moving away from the source of disturbance is called a	A. progressive wave B. travelling wave C. both of them D. none of them
8	In case of mechanical waves, we study the motion of	A. a single particle B. collection of particle C. any one of them D. none of them
9	The example of mechanical wave is	A. waves in ropes B. waves on water surface C. waves in air D. all of them
10	The waves which propagate out in space due to oscillation of electric and magnetic fields are known as	A. e.m. waves B. mechanical waves C. sound waves D. water waves
11	The waves which propagate by the collision of material particles are known as	A. e.m. waves B. mechanical waves C. light waves D. microwaves
12	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
13	Waves transport energy	A. without transport energy B. with matter C. both of them D. none of them
14	A weakly damped system has fairly	A. sharp resonance curve B. flat resonance curve C. both of them D. none of them

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A heavily damped system has a fairly

- A. sharp resonance curve
- B. flat resonance curve
- C. both of them
- D. none of them