

ECAT Physics Chapter 8 Waves Online Test

Sr	Questions	Answers Choice
1	Smaller the damping, the resonance will be	A. more flat B. more sharp C. both of them D. none of them
2	Smaller the damping, greater will be the	A. frequency B. wavelength C. amplitude D. none of them
3	The damping depends upon the	A. amplitude B. sharpness C. both of them D. none of them
4	The resonance will be sharp, if the amplitude decreases rapidly at a frequency	A. equal to the resonant frequency B. slight different from the resonant frequency C. greatly different from the resonant frequency D. any one of them
5	In the resonance condition, the amplitude of the oscillator becomes	A. very large B. very small C. zero D. any one of them
6	Shock absorber of the car is an example of	A. resonance B. forced oscillations C. interference D. damped oscillations
7	The process in which energy is dissipated from the oscillating system is known as	A. resonance B. interference C. diffraction D. damping
8	As the bob of the pendulum moves to and fro which of the force is experienced by the bob	A. its weight B. tension in the string C. viscous drag force by air D. all of them
9	While describing the motion of a simple pendulum, the frictional effects are	A. taken into account B. completely ignored C. partially ignored D. none of them
10	Such oscillations in which the amplitude decreases steadily with time, are called	A. resonance B. force oscillations C. large oscillations D. damped oscillations
11	The waves produced in a microwave oven have wavelength.	A. 12 mm B. 12 cm C. 12 m D. 12 mm
12	The waves produced in a microwave oven have frequency	A. 2450 Hz B. 2450 K Hz C. 2450 M Hz D. 2450 G Hz
13	A swing has	A. one natural frequency B. two natural frequencies C. three natural frequencies D. four natural frequencies
14	Which one of the following is an example of resonance	A. swing B. tuning a radio C. microwave oven D. all of them
15	Resonance occurs when one of the natural frequencies of vibration of the forced or driven	A. greater than the frequency of applied force B. equal to the frequency of applied

Resonance occurs when one of the natural frequencies of vibration of the forced or driven harmonic oscillator

force

- C. less than the frequency of applied force
 - D. all of them
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