

Physics ICS Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	The product of time period and frequency is.	A. Zero B. 1 C. 2 D. 3
2	One complete round trip of a vibrating body is called.	A. Frequency B. Time period C. Vibration D. Amplitude
3	The mathematical expression for the restoring force is.	A. $F = kx$ B. $F = ma$ C. $F = dp/dt$ D. $F = -kx$
4	the acceleration of a body having SHM, depends upon its.	A. Time period B. Amplitude C. Frequency D. Displacement from mean position
5	In simple harmonic motion the velocity of a particle is maximum at.	A. Extreme position B. Mean position C. In between extreme and mean position D. None of them
6	A quantity which indicates the state and direction of a vibrating body is known as	A. Time period B. Amplitude C. Phase D. Frequency
7	P.E. of a spring is stored in	A. Spring B. mass C. Both of them D. None of these
8	The amplitude of a vibrating body at resonance in vacuum is	A. Minimum B. Maximum C. Zero D. Infinite
9	The frequency of 2nd pendulum is	A. 0.5 Hz B. 1 Hz C. 1.5 Hz D. 2 Hz
10	Second pendulum has a time period	A. 1 sec B. 3 sec C. 2 sec D. 4 sec
11	Time period of simple pendulum depends upon	A. Mass of pendulum B. Weight of pendulum C. Length of pendulum D. Shape of pendulum
12	Damping is the process in which energy	A. Increases B. Remains constant C. Dissipates D. None of these
13	A swing is good example of	A. Resonance B. Vibration C. Time period D. Oscillation
14	Question Image	
15	Angular frequency is the characteristic of	A. Linear motion B. Vibratory motion C. Circular motion D. All of these
16	Frequency 'f' and time period 'T' are related as	

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One complete round trip of a body is called

- A. Displacement
- B. Time period
- C. Vibration
- D. Frequency