

MDCAT Physics Chapter 5 Oscillations Online Test

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Sr	Questions	Answers Choice
1	If the waves produced in a microwave oven are of wave-length 12 cm, then their frequency will be:	A. 2500 MHz B. 0.25 MHz C. 2500 KHz D. None of these
2	Second pendulum is the pendulum whose time period is:	A. 1 second B. 2 seconds C. 3 seconds D. None of these
3	A small bob is swung from a rope 2.45 m long. Its period of oscillation is:	A. 3.14 seconds B. 4.72 seconds C. 6.82 seconds D. 8.35 seconds
4	To and fro motion of a body about its mean position is known as:	A. Translatory motion B. Vibratory motion C. Rotatry motion D. None of these
5	A body complete 20 vibrations in one minute, tis time period wil be:	A. 0.05 sec B. 1.5 sec C. 3.0 sec D. 20 seconds
6	An oscillating body oscillates due to:	A. Applied force B. Restoring force C. Fricntional force D. None of these
7	A mass attached to a spring completes 60 vibrations in half minute. Its frequency is:	A. 120 Hertz B. 60 Hertz C. 30 Hertz D. 2 Hertz
8	If length of the second's pendulum is denoted by L_1 then the length of a pendulum having a period of 1 second is:	A. L/2 B. 2 L C. L / 4 D. 4 L
9	Which of the following quantities /quantity becomes zero at any moment during oscillation.	A. Speed B. Acceleration C. Momentum D. All of these
10	At which place simple pendulum will vibrate the slowest?	A. Muree B. Karachi C. Mount Everest D. None of these
11	An object in SHM will have maximum speed when its displacement from equilibrium position is :	A. Infinity B. Maximum C. Zero D. Minimum
12	A body of mass 0.031 kg attached to one end of a spring of spring constant 0.3 N/m, then time period of spring mass system will be:	A. 1.5 sec B. 2.0 sec C. 2.3 sec D. 2.5 sec
13	The unit of spring constant is:	A. J-Sec B. Metre C. Nm ⁻¹ D. None of these
14	The stirng of a simple pendulum should be	A. Heavy B. Extensible C. Inextensible D. None of these
15	A body of mass 0.031 kg attached to one end of a spring of spring constant 0.3 N/m , then time period of spring mass system will be:	A. 1.5 sec B. 2.0 sec C. 2.3 sec D. 2.5 sec

6	Time period of a simple pendulum at certain placed depends upon:	A. Mass of the bob B. Amplitude C. Material of the bob D. None of these
7	In SHM, the acceleration is when velocity is	A. Zero, smallest B. Smallest, zero C. Zero, Zero D. Zero, greatest
8	When quarter of a cycle is completed , the phase of vibration is:	A. 90 ^o B. 180 ^o C. 45 ^o D. 360 ^o
9	When the mass attached to a spring begins to move left or right from the equilibrium position, its P.E.	A. Increases B. Decreases C. Remain constant D. None of these
0	The time taken to complete one vibration is called:	A. Frequency B. Amplitude C. Time D. Time period