MDCAT Physics Chapter 5 Oscillations Online Test

Sr	Questions	Answers Choice
1	The string of simple pendulum should be:	A. Heavy B. Extensible C. Inextensible D. None of these
2	Pendulums having same lengths will vibrate with:	A. Same frequency B. Different periods C. Differnet freqeuncies D. None of these
3	In SHM, the acceleration is _____ when velocity is____.	A. Zero, smallest B. Smallest, zero C. Zero, Zero D. Zero, greatest
4	Second pendulum is the pendulum whose time period is:	A. 1 second B. 2 seconds C. 3 seconds D. None of these
5	Hertz is unit of :	A. Time period B. Displacement C. amplitude D. Frequency
6	In SHM there is always a constant ratio between displacement of a body and its:	A. Velocity B. Period C. Mass D. Acceleration
7	At what place , motion of a simple pendulum will be the slowest:	A. On the surface of the earth B. All of the centre of earth C. At the quarter D. Both B and C
8	A second's pendulum completes 5 vibrations in:	A. 5 seconds B. 10 seconds C. 2.5 seconds D. 15 seconds
9	The time taken to complete one vibration is called:	A. Frequency B. Amplitude C. Time D. Time period
10	Half wavelength corresponds to:	A. 0^o B. 90^o C. 180^o D. 360^o
11	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
12	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
13	The stirng of a simple pendulum should be	A. Heavy B. Extensible C. Inextensible D. None of these
14	Which one of the following is an example of SHM.	A. Motion in a plane B. Motion in swing C. Motion in a car D. None of these
15	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

16	A Complete circle is equivalent to:	A. Full wavelength B. Half wavelength C. Quarter wavelength D. None of these
17	An object in SHM will have maximum speed when its displacement from equilibrium position is :	A. Infinity B. Maximum C. Zero D. Minimum
18	The unit of spring constant is:	A. J-Sec B. Metre C. Nm⁻¹ D. None of these
19	Which of the following is responsible for the motion of the bob of the simple pendulum:	A. mg sin□ B. Tension T C. mg cos□ D. mg
20	The time period of a simple pendulum does not depend upon.	A. Amplitude B. Mass C. Length D. Both A and B