

ECAT Physics Chapter 7 Oscillations Online Test

Sr	Questions	Answers Choice
1	When quarter of a circle is completed, phase of vibration is:	A. 90

	от саон эсунгания.	D. None of these
10	In SHM, there is always a constant ratio between displacement if body and its:	A. Velocity B. Period C. Mass D. Acceleration
11	The number of vibrations in two seconds can be expressed asif frequency of vibration is f.	A. f B. 2 f C. 3 f D. 1/2 f
12	If a force of 0.05 N produces an elongation of 20 mm in string, then its spring constant will be:	A. 250 N m ⁻¹ B. 25 N m ⁻¹ C. 2.5 N m ⁻¹ D. None of these
13	If a mass of 10 gm is suspended from a spring of $k = 9.8 \text{ Nm}^{-1}$, then the extension will be:	A. 1 cm B. 1 m C. 10 mm D. None of these
14	A particle is moving along a circular path with uniform speed. Its projection will executealong theof the circle:	A. Circular motion, circumference B. Vibrator, chord C. SHM, diameter D. SHM, circumference
15	The time taken to complete one vibration is called:	A. Frequency B. Amplitude C. Time D. Time period