KALPAVRUKSHA MODEL SCHOOL

Answers of Online Class Assignment

Class: VII Sub: Physics Date: 23.8.2021

Topic: TIME AND MOTION

I. **Answers:**

1. Name the device whose periodic motion was used for making clocks till recently.
   ANS: A pendulum is the device whose periodic motion was used for making clocks till recently.

2. What type of motion is illustrated by the bob of a simple pendulum?
   ANS: Periodic motion is illustrated by the bob of a simple pendulum.

II.CHOOSE THE CORRECT ANSWERS:

1. Observe Figure 13.3, the time period of a simple pendulum is the time taken by it to travel from_____.

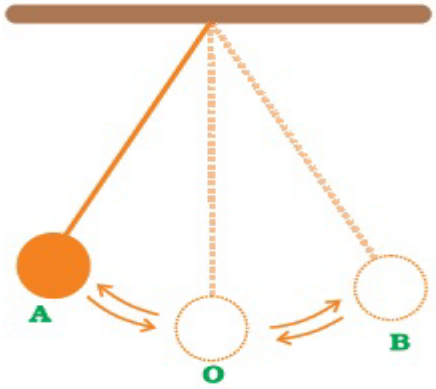

Fig 13.3

a. A to B and back to A.
b. O to A, A to B and B to A.
c. B to A, A to B and B to O.
d. B to A, A to O and B to O
ANS: a. A to B and back to A.

2. The oscillation of the simple pendulum is _____.
   a. the motion of the vibrating particle from one extreme position to another extreme position about mean position
   b. the motion of the vibrating particle from one extreme position to another

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mean position about extreme position

c. the motion of the vibrating particle from one mean position to another extreme position about mean position.

d. the motion of the vibrating particle from one extreme position to another extreme position about extreme position

ANS: a. the motion of the vibrating particle from one extreme position to another extreme position about mean position

3. Which of these is an incorrect statement?

a) Sundial is used for measuring Time.

b) Simple pendulum is used for measuring time.

c) Time period of simple pendulum depends on Weight of the bob

d) Time period of simple pendulum depends length of string.

ANS: c) Time period of simple pendulum depends on Weight of the bob

4. **The motion is define as_____.**

a. Motion is a change in position of an object over time.

b. The to and fro motion of an object.

c. The distance moved by an object in a unit time

d. None of these

ANS: a. Motion is a change in position of an object over time.

5. If a simple pendulum takes 30 seconds for 10 oscillations the time period of simple pendulum is _____.

a. 3 second b.30 second c. 0.3 second d. 1/3 second

ANS: a. 3 second