
13 : MOTION AND TIME

I Fill in the blanks :

1. The distance moved by an object in a unit time is called its _____.
2. Basic unit of measuring speed is _____.
3. _____ events are used for the measurement of time.
4. A _____ consists of a small metallic ball or a piece of stone suspended from a rigid stand by a thread.
5. The metallic ball is called the _____ of the pendulum.
6. The to and fro motion of a simple pendulum is an example of a _____ or an _____ motion.
7. Meter that measures the distance moved by the vehicle is known as _____.
8. Motion of objects can be presented in pictorial form by their _____.
9. Rockets, launching satellites into earth's orbit often attain speeds up to _____ Km/s.
10. The basic unit of time is _____.

II. Write true or false :

1. A year was fixed as the time taken by the earth to complete one revolution of the sun.
2. A nanosecond is one billionth of a second.
3. The motion of a pendulum is an example of non-periodic motion.
4. In ancient time people used to measure time with help of clock or wristwatch.
5. The time taken by the pendulum to complete one oscillation is called its time period.
6. The graph for non-uniform motion is a curve line.

III Name the following :

1. Name any two ancient – time measuring devices.
2. Name the scientist who discovered pendulum.
3. Name the meter in vehicles which records the speed directly in Km/h.
4. Name the ancient clock located at Jantar Mantar, Delhi.

IV Define the following :

1. Motion
2. Speed
3. Oscillation

V Distinguish between :

1. Uniform motion and Non-uniform motion.
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