

CU
04/02/21

Types of motion

- 1) Translatory motion.
- 2) Rotatory motion.
- 3) Circular motion.
- 4) Oscillatory motion.
- 5) Vibratory motion.
- 6) Periodic motion.
- 7) Non-periodic motion.

1) Translatory motion:-

* If an object like a vehicle, moves in a line in such a way that every point of the object moves through the same distance in the same time, then it is known as translatory motion.

2) Rotatory motion:-

* A body is said to be in rotatory motion if it moves in a fixed axis.

3) Circular motion:-

* The motion of a body along a circular path is known as circular motion.

4) Oscillatory motion :

- * The to and fro movement of a body is known as oscillatory motion.

5) Vibratory motion :

- * It is a type of oscillatory motion in which a part of the body always remains fixed and the rest part moves to and fro about its mean position.

6) Periodic motion :

- * A motion which is repeated after a regular interval of time is known as periodic motion.

7) Non-periodic motion :

- * A motion which gets repeated after irregular interval of time is called non-periodic motion.

HW
03/05/21

Home assignment

1) What do you mean by translatory motion? Give one example.

Ans) When an object moves in a line such that through same distance and time it is said to be in translatory motion. Ex- A bike moving in ~~the~~ a straight line.

2) Explain the meanings of i) rectilinear motion and ii) curvilinear motion. Give one example.

Ans) i) This is a type of ~~motion~~ translatory motion where the object moves in a straight line. Ex- a coin moving over a carrom board.

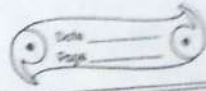
ii) This is a type of ~~motion~~ translatory motion where the object moves in a curved line. Ex- A ball thrown by an athlete.

3) What is rotatory motion? Give two examples.

Ans) A body is said to be in rotatory motion if it moves in a fixed axis.

Ex- i) Rotations of earth.
ii) Ceiling fan.

4) What is ~~motion~~
Give one ~~example~~
The ~~motion~~
part is ~~called~~
Ex- Motion of



Q) What is meant by circular motion?

Give one example.

Ans) The motion of a body in a circular path is called circular motion.

ex- Motion of satellite around earth.