Practice Questions

Now that we have studied the prominent types of motion along with their examples, let us go through some simples questions and test our knowledge of this topic-

1. **What type of motion will the body have if the line of the motion of the body is curved-**
    - **a. Vibratory Motion**
    - **b. Translational Motion**
    - **c. Rectilinear Motion**
    - **d. Circular Motion**
2. **In which type of motion the body revolves around its own axis-**
    - **a. Circular Motion**
    - **b. Rectilinear Motion**
    - **c. Rotatory Motion**
    - **d. Oscillatory Motion**
3. **Name and define the type of motion in which the object has a constant speed but is still accelerating.**
4. **The distorted motion of an object is also known as _____ motion.**
5. **Name and define the type of motion exhibited by the object the given below picture-**

6. Identify the type of motion in the given below image-

7. **Give a few examples from the objects around us stating that an object can have multiple types of motion at one point in time.**
8. **Name the motion possessed by these objects- blades of an electric fan in motion, a spinning top, hands of a clock, a vehicle on a straight road, the earth around the sun and the pendulum of a wall clock.**
9. **What are stationary objects?**
10. **Differentiate between periodic motion and non-periodic motion.**

Answers

1. b
2. b
3. Uniform Circular Motion
4. Random Motion
5. Oscillatory Motion
6. Circular Motion
7. The motion of Earth (Periodic, Circular and Rotational Motion), Movement of a Pendulum (Linear and Periodic Motion) and Movement of the Cycle in a Straight Line (Uniform, Linear and Circular Motion).
8. Rotatory motion, rotatory motion, oscillatory motion, uniform circular and periodic motion, rectilinear motion, oscillatory motion and periodic motion.
9. The objects which are in a continuous state of rest are known as Stationery Objects.
10. The motion which gets repeated after a regular interval of time is known as Periodic motion. For example- The movement of the earth. On the other hand, the motion which does not repeat itself after regular intervals of time is known as Non-Periodic Motion.