## **Chapter-3**

## Worksheet-1

## Choose the correct option:

- 1. The movement of the earth around the sun is known as
- a. Rotation
- b. Revolution
- c. Inclination
- d. None of these
- 2. Direct rays of the sun fall on the equator on
- a. 21 March
- b. 21 June
- c. 22 December
- d. 21 December
- **3.** Christmas is celebrated in summer in
- a. Japan
- b. India
- c. Australia
- d. china
- 4. Cycle of the seasons is caused due to
- a. Rotation
- b. Revolution
- c. Gravitation
- d. None of these

- **5.** Earth has \_\_\_\_\_ types of motions.
- a. 3
- b. 1
- c. 5
- d. 2
- 6. Movement of the earth on its axis is called as
- a. Rotation
- b. Resolution
- c. Cycle
- d. Revolution
- 7. The movement of the earth around the sun in a fixed path or orbit is called
- a. Revolution
- b. Rotation
- c. Circular Cycle
- d. Resolution
- 8. The axis of the earth which is an imaginary line, makes an angle of \_\_\_\_\_\_ with its orbital plane.
- a. 45 Degree
- b. 66 Degree
- c. 60 Degree
- d. 90 Degree
- 9. The plane formed by the axis of earth and orbit is known as the \_\_\_\_\_.

- a. Symmetric Plane
- b. Spherical Plane
- c. None of these
- d. Orbital plane

**10.** The earth takes about \_\_\_\_\_\_ to complete one rotation around its axis.

- a. 65 Days
- b. 1 Month
- c. 48 hours
- d. 24 hours

## Answer the following Questions.

- **1.** What is an equinox?
- 2. What is the elliptical orbit?
- **3.** State a reason why seasons occur.
- 4. What is the angle of inclination of the earth's axis with its orbital plane?
- 5. Why do the poles experience about six months' day and six months' night?
- 6. Areas near the pole get less heat. Justify with reason.
- 7. Define the Circle of Illumination.
- **8.** Why does the Southern Hemisphere experience Winter and Summer Solstice in different times than that of the Northern Hemisphere?
- 9. How are days and nights formed?
- 10. What is circle of illumination?