4 : Motions of the earth

Class : VI Sub.: Social Science (Geography)

[A]. Type of questions : Fill in the blanks :-

1. The earth's axis makes an angle of **23½**^{0} from the vertical or perpendicular line.
2. The earth's axis makes an angle of **66½**^{0} with its orbital plane.
3. The minimum distance between the earth and the sun on 4th January is about **147.5 million kms.**
4. The maximum distance between the earth and the sun on 4th July is about **152.6 million kms**.
5. The longest day and the shortest night occur in the Northern Hemisphere on **21st June.**
6. The longest night and the shortest day occur in the Northern Hemisphere on **22nd December.**
7. The day and night are of equal duration in both the Hemisphere on **21st March** and **23rd September.**
8. Literacy, 'equinox' means '**equal night**'.
9. Christmas is celebrated in Australia in **summer** season.
10. The shape of the movement path of the earth around the sun is **elliptical.**

[B]. Definition of the geographical terms :-

Rotation : The daily movement of the earth on its axis is called rotation. It completes one rotation in about 24 hours. It rotates from west to east.

Revolution : The annual movement of the earth around the sun is called revolution. It completes one revolution in about 365 days and 6 hours.

Dawn : The time period immediate before sunrise is called dawn.

Dusk : The time period immediate after sun set is called dusk.

Orbit : The earth revolves around the sun in a fixed path is called orbit. It's shape is elliptical.

Inclination of the earth's axis : The earth makes an angle of 23½^0 from the vertical line. This tilt of the axis of the earth is called inclination of the earth's axis.

Perihelion : The minimum distance between the earth and the sun is called perihelion. It occurs every year on 4th January.

Aphelion : The maximum distance between the earth and the sun is called aphelion. It occurs every year on 4th July.

Leap year : The year of 366 days is called leap year. It happens over a period of four years. The extra one day is added to the month of February.