

ST. THOMAS SCHOOL, DHURWA, RANCHI-4

SESSION-2021-2022

SUBJECT – S.ST CLASS – IV

CHAPTER-5 MOTIONS OF THE EARTH

Answer of Exercise (book)

A- Fill in the blanks

- 1) Earth 2) leap 3) 6 4) summers 5) hotter

B- Write True / False

- 1) False 2) True 3) False 4) False 5) True

C- Match the following

- 1) Rotation – 24 hours
- 2) Revolution – change of seasons
- 3) Leap year – 366 days
- 4) North Pole – Northern Hemisphere
- 5) South Pole – Southern Hemisphere

D- Answer the following.

1A- The axis is an imaginary line which passes through the centre of the Earth connecting the North Pole and the South Pole.

The Earth's axis is tilted at an angle of $23\frac{1}{2}^{\circ}$.

2A- The rotation of the Earth causes days and nights. As the Earth rotates the part facing the sun, receives light and has day whereas the other half part of the Earth does not receive light and has night. Thus, all parts of the Earth get day and night once in 24 hours.

3A- The revolution of the Earth causes the change in seasons.

4A- When the Southern Hemisphere leans towards the Sun, the North Pole tilts away from the Sun. Here, the Sun's rays are slanting and spread over a greater surface area. Thus, the Northern Hemisphere experiences cold winters.

5A- The Polar Regions are so cold even in summers because the sunrays fall on slanting angle on the poles as well as these parts of the Earth are farther away from the sun.

6A- The climate of the places near the Equator is hot.

(A, B, C will be done in the book itself only D (Q/A) will be done in the copy.)
