

Girls' High School & College, Prayagraj

Worksheet No. - 3

Session 2020-2021

Class - IX A B C D E F

Subject- Geography

Topic – Rotation and Revolution

Instructions:- Parents are expected to ensure that the student spends two days to read and understand the chapter according to the Books/websites referred and thereafter answer the given questions. Students can also refer to books of class 6,7and 8.

Note:-

- 1. ICSE Geography- Veena Bhargava**
- 2. Total Geography – Jasmine Rachel, Dolly Sequeira**
- 3. website www.toppr.com OR**

https://www.youtube.com/watch?v=RgBagz_e9e8&feature=youtu.be OR

<https://www.youtube.com/watch?v=oPy-T8XF-Xc&feature=youtu.be>

I Answer Briefly :-

- 1. What is Revolution?**
- 2. Give three effects of Revolution.**
- 3. Why does Insolation vary from place to place?**

4. What is the evidence of Earth's rotation?
5. What is the cause of high and low tide?
6. When is the Sun directly overhead at the Equator?
7. What does 'Solstice' mean in Latin?
8. When do we have Autumn and Spring Equinox?
9. What is Circle of Illumination?
10. Give any two features of winter solstice.

II) Give Reason:-

- a) The Sun is never overhead beyond the tropics.
- b) Noon is hotter than morning.
- c) Winds get deflected from their normal path.
- d) The region beyond Arctic Circle is known as the 'Land of the Midnight Sun'.
- e) Altitude of the Sun varies at a place according to seasons.

III) Define the following:-

- a) Rotation
- b) Coriolis Effect
- c) Centrifugal Force

d) Earth's Axis

IV) Draw and label the diagram neatly:-

a) Occurrence of day and night

b) Revolution of the Earth

c) Summer Solstice

d) Winter Solstice

V) Distinguish between:-

a) Solstice and Equinox

b) Spring Equinox and Autumn Equinox

c) Rotation and Revolution

VI) Answer in detail:-

a) Give two effects of speed of Rotation.

b) Give two examples to show the apparent movement of the Earth.

c) What is centripetal force?

d) What would happen if the axis was perpendicular to the plane of ecliptic?

- e) What causes slight flattening of the Earth at the two Poles?
- f) State any two features of Summer Solstice.
- g) What happens on December 22 when the Sun is overhead Tropic of Capricorn?

END