

~S.O.C.I.A.L S.T.U.D.I.E.S~

CLASS-V

CHAPTER-V

"CLIMATIC ZONES OF THE EARTH"

A. Fill in the blanks with the correct answers.

1. Antarctica stays _____ throughout the year.

Ans. (a) frozen ✓

2. Northern Torrid Zone ends at _____.

Ans. (a) $23\frac{1}{2}^{\circ}$ N ✓

3. The Southern Temperate Zone ends at _____.

Ans. (a) $66\frac{1}{2}^{\circ}$ S ✓

4. The Frigid Zone have _____ cold climate.

Ans. (b) an extremely ✓

B.Name the following.

1.The continent that remains frozen throughout the year.

Ans. Antarctica

2.The heat zone that receives the most intense sunlight.

Ans. Torrid

3.The heat zone that receives the least intense sunlight.

Ans. Frigid

4.Cool air rushing from the sea towards the land.

Ans. Sea breeze

5.Cool air rushing from the land towards the sea.

Ans. Land breeze

C. Write True or False.

1. The climatic zones of the Earth are also known as temperature zones.

Ans. True

2. The climate of place is affected by its location on the Earth.

Ans. True

3. The Frigid Zone gets intense sunlight throughout the year.

Ans. False

4. During summers, the days are short and the nights are long.

Ans. False

D. Answer these questions.

1. What effect does height have on climate?

Ans:-As we move from the surface of the earth to the higher altitudes, the temperature decreases.

2. Describe the Torrid Zone.

Ans:-The torrid zone refers to the area of the earth near the equator which is generally hot and humid. Thus these areas are called torrid zone. These places also get heavy rain all the year round. The torrid zone lies between the Tropic of Cancer and the Tropic of Capricorn.

3.How does humidity affect the climate of a place?

Ans:-Humidity refers to the presence of water vapor in the air, and affects how warm the air feels to us. Warm temperatures feel even warmer as the humidity increases because, as it increases, the speed at which water evaporates at any given temperature decreases.

4.Write a short note on the frigid zone.

Ans:-The frigid zones are the coldest regions of Earth and are generally covered in ice and snow. It receives slanting rays of the sun as this region lies farthest from the equator. Summer season in this region lasts for about 2 to 3 months and there is almost 24 hour sunlight during summer.

5. Why do areas around the seas have moderate climate?

Ans:- As we know that places near sea always experience sea or land breezes during day and night.

These winds actually moderate the climate near sea.

Thus, when the land get too hot during the day the cool wind from sea moderates the land temperature and when during night , the sea is warmer, the cool wind from land reaches the sea.

6. Write a note on Temperate Zone.

Ans:- The part of the earth's surface lying between the tropic of Cancer and the Arctic Circle in the Northern Hemisphere and in between the tropic of Capricorn and the Antarctic Circle in the Southern Hemisphere. It is characterized by having a climate that is warm in the summer, cold in the winter, and moderate in the spring.

~End of Chapter~