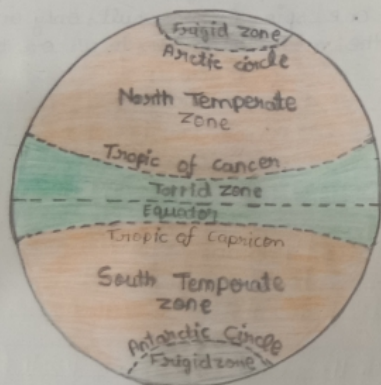




Important Latitudes and Heat zones

18/04/19

CW

Chapter-2

Globe: Latitudes and Longitudes

NOTES:-

1) GLOBE -

Globe is small model of Earth.

2) EQUATOR -

Equator is an imaginary line running on the globe divides it two equal parts - the Northern Hemisphere and the Southern Hemisphere.

3) PARALLELS OF LATITUDES -

All parallels circles from the equator up to the poles are called parallels of latitudes.

4) IMPORTANT PARALLELS OF LATITUDES -

Besides the equator (0°), the North Pole (90°N) and the South Pole (90°S), there are four important parallels of latitudes.

- (i) Tropic of Cancer ($23\frac{1}{2}^\circ\text{N}$)
- (ii) Tropic of Capricorn ($23\frac{1}{2}^\circ\text{S}$)
- (iii) Arctic circle ($66\frac{1}{2}^\circ\text{N}$)
- (iv) Antarctic circle ($66\frac{1}{2}^\circ\text{S}$)

5) Longitudes

Longitudes are imaginary lines on the globe running from the North Pole to South pole. These are also called meridians of longitudes.

6) PRIME MERIDIAN

0° longitude which passes through Greenwich, where the British Royal Observ. Observatory is located, is called Prime Meridian. The Prime Meridian divide the earth into two equal halves the Eastern Hemisphere and western hemisphere.

7) INDIAN STANDARD TIME

In India, the longitude of $82\frac{1}{2}^\circ\text{E}$ ($82^\circ 30'\text{E}$) is treated as the standard meridian. The local time at this meridian is taken as the standard time for the whole country.

Chapter-2Globe: Latitudes and LongitudesQuestion Answer:

Que-1- What is the true shape of the earth?

Ans- Earth is slightly flattened at the North and South poles and bulges in the middle. The shape of the earth is described as a 'geoid'. that is an earth-like shape.

Que-2- What is a globe?

Ans- globe is a true model (miniature form) of the earth.

Que-3- What is the latitudinal value of the Tropic of Cancer?

Ans- The latitudinal value of Tropic of Cancer is $23\frac{1}{2}^{\circ}(N)$.

Que-4- What are the three heat zones of the Earth?

Ans- The three heat zones of the Earth are-

- 1) Torrid zone
- 2) Temperate zone
- 3) Frigid zone

Ques- What are the parallels of latitude and meridians of longitudes?

Ans- Parallels of latitudes - All parallel circles from the equator up to the poles are called parallels of latitudes.

Meridians of longitudes - The lines of ~~refren~~ references running from the North Pole to the South Pole ~~are~~ on globe are called meridians of longitudes.

Ques- Why does the torrid zone receive maximum amount of heat?

Ans- The area between the Tropic of Cancer and the tropic of capricorn is known as torrid zone. The midday sun is exactly overhead at least once a year on all the latitudes in this area, hence, this area receives maximum amount of heat.

Ques- Why is it 5:30 pm in India and 12:00 noon in London?

Ans- In London, the Greenwich mean time (GMT) is followed. The India standard Meridian is located $82\frac{1}{2}^{\circ}$ east of the Prime Meridian. Thus the Indian standard time (IST) is 5 hours and 30 minutes ahead of GMT. So when it is 12:00 noon in London, it is 5:30 p.m in India.

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4/2/09