

St. Andrews Scots Sr. Sec. School  
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Session: 2024-2025

CLASS- v

SOCIAL SCIENCE

Lesson-2 Latitudes and  
Longitudes

I- New Words

- 1 . dimensional
- 2 . perpendicular
- 3 . hemisphere
- 4 . parallels
- 5 . Equator
- 6 . meridian
- 7 . originate
- 8 . apparent
- 9 . unique
- 10 . imaginary

II- Define the following terms

1. hemisphere - one half of a sphere.
2. grid - a network of lines of latitudes and longitudes .
3. axis - an imaginary line passing through two extreme points on a sphere on which it spins .
4. poles - either of the end points at the top or bottom of the Earth's axis .

### III- Fill in the blanks

1. The Equator is the longest parallel .
2. The end points of the axis are called poles .
3. The Equator is the starting point for measuring the latitudes.
4. The meridian that passes through Greenwich is the Prime Meridian .
5. The lines of longitudes are drawn from north to south .

### IV- Answer these questions

Q I -Differentiate between the Northern Hemisphere and the Southern hemisphere .

Ans - The Equator divides the Earth into two equal halves. The northern half is called the Northern Hemisphere and the Southern half is called the Southern Hemisphere .

Q2- What are lines of latitude ? Write their two features .

Ans - A set of circles is drawn on the surface of the globe . These circles run from east to west . They are called parallels or lines of latitude .The two features of lines of latitude are -

1. All lines of latitude are at an equal distance from each other.
2. Lines of latitude neither touch or cross each other .

Q3- Define polar circles .

Ans- The Arctic Circle and the Antarctic Circle are known as polar circles.

Q 4- What are lines of longitude ? Write their two features .

Ans- The imaginary lines which run from the North Pole to the South Pole are called longitudes .

The two features of lines of longitude are -

1. All lines of longitude are of the same length

2. The maximum distance between any two lines of longitude is at the Equator.

Q 5- What do you understand by global address ?

Ans- The point at which the parallel and meridian cross each other is the location of that place . This is called the global address .

Think and answer

Q- Why does the length of a parallel increases as we move away from the poles towards the equator ?

Ans- The Earth is spherical . So, the length of the parallel increases as we move away from the poles towards the equator .

Activity

Draw a neat and labelled diagram of the important latitudes and longitudes.