

ST. MICHAEL'S SCHOOL, MURI
STUDY MATERIAL CUM HOME ASSIGNMENT

STD - VI

SUB - SOCIAL SCIENCE

❖ **GLOBE , LONGITUDE & LATITUDE**

- **GLOBE :-** A globe is true model of the earth . usually it is round in shape on a globe we can see countries , oceans, cities and other things.
- **LATITUDE:-** latitude is imaginary lines drawn on the surface of the earth. they run from east to west and are 90 latitude in the north of equator and 90 latitude in the south of the equators.

IM PORTENT LATITUDES ON THE EARTH :-

- a) TROPIC OF CANCER (23' ½ North)
- b) TROPIC OF CAPRICORN (23' ½ South)
- c) ARCTIC CIRCLE (66' ½ North)
- d) ANTARCTIC CIRCLE (66' ½ South)

❖ **Uses of LATITUDE :-**

- a) It helps us to about the climate of a place.
- b) Latitude help us to know about the natural vegetation of the place.
- c) It helps us in the location of a place.

❖ **LONGITUDE OR MERIDIAN :-**

Longitude are imaginary lines drawn on the surface of the earth . They run from North pole to South pole . Each longitude is semi circle and equals in length .Longitude helps us to know the time of a pole.

❖ **FEATURES OF LONGITUDE :-**

- a) Longitude are semi – circular in length and equal in length.
- b) There are 360 longitude in our globe . That is 180 longitude in the west of prime – meridian and 180 longitude in the east of prime – meridian .
- c) The 0 longitude is called prime – meridian .

❖ **HEAT ZONE :-**

There are three zones of the earth . They are :-

1. TORRID ZONE
 2. TEMPEERATE ZONE
 3. FRIGID ZONE.
1. **TORRID ZONE :-** It lines between the tropic of cancer and tropic of Capricorn . the sun says fall directly on this region throughout the year . it is very hot.
 2. **TEMPEERATE ZONE:-** It lies between tropic of cancer and Arctic circle in the Northern Hemisphere and tropic of Capricorn and Antarctic circle in the southern hemisphere . it means there are two temperature zone. These regions have moderate climate that is neither too hot nor too cold.

3. **FRIGID ZONE** :- There are two Frigid zone . The north frigid zone lies between Arctic and north pole south frigid zone lies between Antarctic circle and south pole. These region receive very less sunlight and are very cold snow covered trough out the world.

❖ **LONGITUDE AND TIME**

Longitude help to calculate time . As the earth rotate from west to east once in 24 hours . it takes 24 hours to pass every longitude of the earth. In another words the sun cover 15 Longitude in 1 hour and 4 minutes to pass each degree (1') of longitude . the prime – meridian which is known as Greenwich Mean Time(GMT) passes at London . GMT has been decided as the reference for world slandered time. When it is 12 noon at GMT the time at 15' east to Greenwich will be 1 pm of Greenwich Mean Time.

❖ **LOCAL TIME** :-

Local time means when the sun reaches the highest point of the that and cross the meridian, it will be noon at that place.

❖ **STANDARD TIME** :-

As local time differ by 4 minutes at every longitude . it would create lot of confusion regarding time of a country which stretch several longitude.

Therefore each country has control meridian , which is taken as “ Standard Time ” . our country standard time is located at $82 \frac{1}{2}$ ' F longitude which passes in Mirzapur (U.P)

SOLVED QUESTIONS :-

1. Write the difference between longitude and Latitude.

LATITUDE		LONGITUDE
1	They help us to know climate and vegetation of a place.	They help us to know about time of a place.
2	There are 180 latitude on the Globe.	There 360 longitude on the globe.
3	Important latitude are Tropic of cancer , Tropic of Capricorn , Equator ,Arctic and Antarctic circle.	Important longitude is prime- meridian at 0 longitude.

2. Explain Torrid zone.

Torrid zone lies between tropic of cancer and tropic of Capricorn . these region receive direct rays of the sun throughout the years. The temperature is very hot and humid.

It receive heavy rainfall throughout the year . it has dense Evergreen Forest.

3. Give two uses of latitudes .

The two uses of latitude are as follows :-

- It helps us to know climate and natural vegetation of a place.
- It helps us to locate a place.

UNSOLVED QUESTIONS :-

- What do you mean by Longitude ?
- What are Latitude? Give example.
- What is Local time?
- What is Standard time?
- What is Globe?