

**Geography Notes**

**10. India Climate**

1. What is the one of the basic elements of natural environment?

Climate

2. What do climate determines?

It determines the landforms, soil, vegetation and agriculture of a place.

3. What is weather?

It is day to day condition of the atmosphere at any place in regard to temperature, pressure wind, humidity and rainfall.

4. What is the relationship between temperature and altitude?

Temperature decreases with increasing altitude from the earth surface at the rate of 1 degree Celsius for every 165 meters.

5. How is climate of a place determined?

By latitude, altitude, distance from the sea, wind, position of mountains

6. What is continental climate?

The palaces to the north of tropic of cancer experience this kind of climate where the summer is extremely hot and winter is very cold.

7. Which areas have equitable climate?

Coastal areas.

8. What is sea breeze?

The wind that blows from sea to land is called as sea breeze.

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9. What is jet streams?

Air currents in the upper layers of the atmosphere is known as jet streams.

10. Which determines climate of a place?

Position of mountains

11. Who used the term monsoon?

Seamen

12. What kind of climate do India experience?

Topical monsoon climate.

13. What is EL Nino?

It is a complex weather process that appears once in every 5 to 10 years bringing drought, floods, and other weather extremes to different parts of the world.

14. What kind of climate do great Himalayan range has?

Bitter cold winds

15. What kind of climate do Aravalli has?

Dessert where they have less rainfall

16. What are the features of tropical monsoon climate?

- It is classified into southwest monsoon and northeast monsoon on the basis of the direction they blow
- They are caused due to differential heating of land and sea
- It change seasons and determines climate

17. How are seasons recognized?

Monsoon

18. What are the different seasons in India?

- Summer (March to May)
- South west monsoon (June – September)
- North east monsoon (October – November)
- Winter (December- February)

19. How is sun rays during summer?

It is vertical over Tropic of cancer

20. What is the highest temperature during summer?

50 Degree Celsius

21. What is monsoon burst?

When the monsoon comes to southern part they give rain during summer with thunderstorms and lightening. This is called as monsoon burts

22. What is mango showers?

Thunderstorms

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23. What is local thunderstorms?

Norwesters

24. What is Kaibaisakhi?

Thunderstorms during the calamity of month of Baisakhi in Punjab

25. What happens to the moisture laden wind?

It is forced to ascend the slopes, condenses and gives heavy rainfall.

26. What happens to the second part of wind?

It flows through the Vindhya-Satpura ranges and strikes against the Rajmaham hills and causes heavy rainfall in the Chotnagpur Plateau region.

27. What is the movement of third part of wind?

It moves towards Rajasthan where the Aravallio Mountains stand parallel to the direction.

28. What is moisture bearing wind?

The branch of monsoon blowing from the Bay of Bengal is called as moisture bearing wind.

29. Where to the moisture bearing wind strike?

Kasi, Garo and Jaintia hills

30. Why do Mawsynram have heavy rainfall?

The moisture laden wind takes a sudden rise over the funnel shaped hills it cause sudden rainfall in Mawsynram

31. What is windward slide?

The wind striking side of the mountain is called windward side of mountain, which receives heavy rainfall.

32. What is leeward side?

The other side of the mountain which is sheltered from the wind is called Leeward side of mountain. It receives less rainfall.

33. When do south west monsoon begins?

Second week of September

34. Which causes frequent damage in coastal area?

Cyclones

35. Where is sun during winter?

Overhead in the Tropic of Capricorn

36. Which causes 80 percent of rainfall during June to September?

South West Monsoon

37. Which influence rainfall?

Orographic feature

38. What is retreating monsoon wind?

The wind that flows from high pressure area of north west India to South India is called a retreating monsoon.

39. What is western disturbance?

A low pressure depression that originates over the Mediterranean Sea and travels eastwards across Iran and Afghanistan is known as western disturbance.

40. How is intensity and distribution of rainfall determined?

By tropical depressions

41. Give example for drought prone areas?

Gujarat and the Deccan plateau

42. How are hydro electricity power plants affected?

During low rainfall

43. What are the factors distributing rainfall?

1) The direction of the rain bearing winds

2) The position of the mountain ranges

44. What is the areas with rainfall between 200 to 300 cm?

Middle Ganga Valley

45. What is the area with rainfall between 100cm to 200cm?

Upper Ganga Valley

46. What are the basic requirements of water conservation?

- The total involvement co-operation and participation of all local people
- All the family members should know the importance of managing household water
- The most important aspect in water conservation is to treat water as economic commodity
- In the distribution of this economic good both equity and quality .

47. How can we conserve water ?

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Rainwater harvesting

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