

GEOGRAPHY

Q.1) Which among the following includes the elements that influence the making of climates?

1. Temperature
2. Precipitation
3. Humidity
4. Air pressure
5. Winds

Choose the appropriate answer from the code given below:

- a) 1, 2 and 3 only
- b) 1, 2, 3 and 4 only
- c) 1, 2, 3 and 5 only
- d) 1, 2, 3, 4 and 5

Q.2) Consider the below statements with regard 'dew':

1. The ideal conditions for formation of dew are clear sky, calm air, high relative humidity, and cold and long nights.
2. For the formation of dew, it is necessary that the dew point is below the freezing point.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None

Q.3) Which among the following are benefits of Atmosphere?

1. It protects from harmful radiation
2. It contains living gases

3. Acts as Green house, allows long-wave radiation and traps short-wave radiation
4. Acts as medium for fast air transport
5. Storehouse for water vapour and leads to precipitation

Choose the appropriate code:

- a) 2, 3 and 5 only
- b) 1, 2, 3 and 5 only
- c) 1, 2, 4 and 5 only
- d) All of the above

Q.4) Consider the following statements about the Atmosphere:

1. The gases present in atmosphere are the direct residue of the early stage of earth's formation.
2. Atmosphere acts as Green house by allowing long-wave from Sun and trapping short-wave terrestrial radiation from Earth's surface

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.5) Consider the following statements:

1. Mesosphere lies above the stratosphere and temperature increases with increase in altitude.
2. Troposphere extends up to 18km at equator and 8 km at pole.

GEOGRAPHY

3. The temperature at tropopause over the equator is less than that the temperature of tropopause over the pole.

Which of the above statements are correct?

- a) 1 and 3 only
- b) 2 and 3 only
- c) 3 only
- d) 1, 2 and 3

Q.6) Consider the below statements with regard to Stratosphere:

- 1. It lies above the troposphere and extends uniformly across the globe up to 50km.
- 2. In this layer the temperature increases with increase in height.
- 3. This layer is characterized with the presence of Ozonosphere.

Which of the statements given above is/are correct?

- a) 2 and 3 only
- b) 1 and 2 only
- c) 1 and 3 only
- d) 1, 2 and 3

Q.7) In which of the following situations, condensation can take place?

- 1. When the temperature of the air is reduced to dew point with its volume remaining constant.
- 2. When both the volume and the temperature are reduced.

3. When moisture is added to the air through evaporation.

Select the code from below:

- a) 1 and 3 only
- b) 2 and 3 only
- c) 3 only
- d) 1, 2 and 3

Q.8) The average temperature on earth remains constant. This is because:

- a) Earth retains the sun's heat and the net heat radiated by earth back to space is less than the heat received by the earth from sun.
- b) The net heat radiated by the earth back to space is equal to the heat received by the earth.
- c) The net heat radiated back by the earth is more than the heat received by the earth.
- d) None of the above statements are correct.

Q.9) Consider the following surface winds:

- 1. Doldrums
- 2. Trade winds
- 3. Westerlies
- 4. Polar winds

Which one among the following is the idealized global pattern of these winds from the Equator to the pole?

- a) 1-2-3-4
- b) 1-3-2-4
- c) 2-1-4-3
- d) 3-1-2-4

Q.10) Consider the below statements:

1. Trade winds are the winds with an easterly component which blow from sub tropical low pressure belt to equator.
2. The sub tropical high pressure belt of the oceans of north pacific and north atlantic oceans is known as horse latitudes.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.11) Consider the following statements:

1. Coriolis force is weakest along the equator but increases progressively towards the poles.
2. Trade winds are deflected in anti-clockwise direction in northern hemisphere and Clock-wise direction in the southern hemisphere.

Choose codes from below options:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None

Q.12) Consider the following statements in regard to Westerlies:

1. Westerlies blow from the Sub-tropical high Pressure Belt to the Sub-polar low Pressure Belt in the temperature latitudes between 30° N and 60° S latitudes
2. They are more constant and stronger in the Southern Hemisphere because there are no large landmasses to interrupt them
3. It got the name Westerlies because they blow out of the west

Which of the statements given above is/are incorrect?

- a) 2 and 3 only
- b) 1 and 2 only
- c) 1 only
- d) 3 only

Q.13) Consider the following statements in regard to Depressions:

1. Depressions are low pressure systems that form in the mid-latitude region (30-60 N/S) when warm air meets cold air
2. When this occurs the warm air is forced above the colder air. It then cools and clouds form which produce rain
3. Winds in depressions move in an clockwise direction in the northern hemisphere and anti-clockwise in the southern hemisphere
4. Depressions are characterised by fronts

GEOGRAPHY

Which of the statements given above is/are correct?

- a) 2, 3 and 4 only
- b) 2 and 4 only
- c) 1, 2 and 4 only
- d) All of the above

Which of the statements given above is/are correct?

- a) 1 and 2 only
- b) 1 and 3 only
- c) 2 and 3 only
- d) 1, 2 and 3 only

Q.14) Consider the following statements regarding equatorial climate:

1. Very heavy down pour, normally for a short duration in a year.
2. Convectional rainfall characterised by lightning and thunder.
3. There is a very high diurnal temperature range in equatorial regions.

Select the correct answer

- a) 1 and 2 only
- b) 2 only
- c) 2 and 3 only
- d) None of the above

Q.15) Consider the following statements with regard to cyclones:

1. The centre of Tropical cyclone is characterized by extremely low pressure. There is no temperature variation in their different parts.
2. Normally Tropical cyclones move from east to west under the influence of trade winds and they mainly occur in summer.
3. Temperate Cyclones always travel from west to east and are produced only in winter.

Q.16) Which among the following statements is *not true* with regard to monsoons?

1. Southwest monsoon brings rain during summer whereas Northeast monsoon brings rain during winter
2. Direction of Northeast monsoon is land to sea so it doesn't contain moisture and brings dryness and coldness after blowing through Bay of Bengal and brings rainfall only in Tamil Nadu
3. During Southwest monsoon, Indian Subcontinent has high pressure and the direction of air movement is from Australia to Indian subcontinent

Choose the appropriate code:

- a) 2 and 3 only
- b) 1 and 2 only
- c) 2 only
- d) 3 only

Q.17) Consider the following statements in regard to Equatorial climate zone/region:

1. As equatorial and tropics have thick vegetation and tree cover, they have

GEOGRAPHY

great potential in commercial extraction of timber resources and paper-making industries

2. Mahogany, ebony, rosewood, rubber and cinchona are important tree species found in this region
3. Pygmies, Orang Asli and Semangs are examples of tribal community found in this region

Which of the statements given above is/are correct?

- a) 2 and 3 only
- b) 1 and 2 only
- c) 1 and 3 only
- d) All of the above

Q.18) Arrange the following natural vegetation types when you travel from Odisha to Rajasthan east to west:

1. Tropical Evergreen
2. Tropical Moist Deciduous
3. Tropical Dry Deciduous
4. Tropical Thorn
5. Littoral or Swamp
6. Desert Vegetation

Select the correct code:

- a) 5-1-2-3-4-6
- b) 1-2-3-5-4-6
- c) 5-2-3-1-4-6
- d) 1-2-5-3-4-6

Q.19) Which of the following will have largest Albedo?

- a) Ocean Surface
- b) White Snow covered landmass
- c) Deserts
- d) Water logged paddy fields

Q.20) When the Adiabatic lapse rate of cooling is lower than the local lapse rate, there is a condition for –

- a) Stable air
- b) Neutral
- c) Unstable air
- d) None of the above

Q.21) Consider the following in regard to Fohn (Chinook) winds:

1. Fohn winds are strong, dry and warm winds which develops on the leeward side of the mountains
2. These winds are formed when descending air becomes compressed with increased pressure
3. The winds helps animal grazing by melting snow and fastens the ripening of grapes
4. These winds are experienced in the valleys of the northern Alps, particularly in Switzerland in spring

Which of the statements is/are correct?

- a) 3 and 4 only
- b) 1, 2 and 3 only
- c) 1, 3 and 4 only
- d) All of the above

Q.22) Consider the following characteristics:

GEOGRAPHY

1. Warm, dry summer and cool, wet winter
2. Shifting of wind belts
3. 35-75cm rainfall

Select the appropriate climatic zone/type having these characteristics:

- a) Mediterranean climate
- b) Coniferous forest Siberian climate
- c) Laurentian type
- d) Steppe/Temperate grasslands

Q.23) Winter monsoons do not cause much rainfall in India because –

- a) They move from land to the sea
- b) Due to anti cyclonic circulation on land
- c) They have little humidity
- d) All of the above

Q.24) Which among the following is not a warm wind?

- a) Foehn
- b) Loo
- c) Mistral
- d) Sirocco

Q.25) Consider the following statements:

1. Places having same mean annual rainfall are joined by a line on map is called Isoneph.
2. Places having an equal degree of cloudiness are joined by lines known as Isohyet.

3. Places with equal sunshine duration joined by lines are known as Isohels.

Choose correct codes from the options given below:

- a) 1 and 2 only
- b) 2 and 3 only
- c) 3 only
- d) 1, 2 and 3

Q.26) With reference to different instruments used to measure atmospheric conditions, consider the following statements:

1. Instruments used to measure direction of the wind is anemometer.
2. Instruments used to measure relative humidity is hygrometer.
3. Instruments used to measure wind speed is wind vane.

Choose correct codes from the options given below:

- a) 1 and 2 only
- b) 2 only
- c) 1 and 3 only
- d) 1, 2 and 3

Q.27) Which among the following is/are the basic conditions for the formation of clouds?

1. There should be moisture content in air.

GEOGRAPHY

2. There should be stable condition of air so that air ascends.
3. There should be dust particles present in air to act as condensation nuclei so that condensation occurs.

Choose appropriate answer from the codes given below:

- a) 2 and 3 only
- b) 1 and 2 only
- c) 1 and 3 only
- d) 1, 2 and 3

Q.28) With reference to different types of clouds and their characteristics, consider the following statements:

1. Characteristics of Halo is associated with Cumulonimbus clouds.
2. Severe thunderstorms and hail storms are associated with Cirrostratus Clouds.
3. Altocumulus clouds appear like waves in the sky and indicate fine weather.

Choose correct codes from the options given below:

- a) 1 and 2 only
- b) 2 and 3 only
- c) 3 only
- d) 1, 2 and 3

Q.29) Consider the following statements:

1. Aurora Australis is the phenomenon of beams of many coloured lights in the Southern Hemisphere.
2. Aurora Borealis is the phenomenon of beams of many coloured lights in the Northern Hemisphere.
3. Auroras are caused when energetic electrically charged particles released from the sun that enter the earth's atmosphere collide with gas atoms.

Which of the statements given above is/are correct?

- a) 1 and 3 only
- b) 2 and 3 only
- c) 3 only
- d) 1, 2 and 3

Q.30) With reference to Jet Streams, consider the following statements:

1. Jet streams are long meandering waves moving at the upper atmosphere, strong at 30° to 60° latitude.
2. The jet streams on Earth typically run from west to east.
3. Temperature influences the velocity of the jet stream, they are more active in winter.
4. Both the Northern and Southern hemispheres have jet streams.

Which of the statements given above is/are correct?

- a) 1, 2 and 3

GEOGRAPHY

- b) 2, 3 and 4
- c) 1, 2 and 4
- d) All of the above

Q.31) Select the appropriate climatic zone/type having the below given characteristics:

1. The climate has highest concentration of winter rainfall.
2. It is found in the sub-tropics.
3. It is associated with the shifting of Global pressure belts.
4. It is found in all the inhabited continents of the world.

The referred climate is

- a) Mediterranean climate
- b) Tropical and Temperate deserts
- c) Tropical grasslands
- d) Steppe/Temperate grasslands

Q.32) Which of the following is/are true about Convectional rainfall?

1. It occurs in the areas of intense heat and abundant moisture.
2. Solar radiation is the main source of heat to produce convectional currents in air.

Choose correct code from the options given below:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.33) Consider the following statements with regard to process of hydrological cycle:

1. Evaporation, transpiration, infiltration and condensation are the mechanisms by which water from the oceans reaches the atmosphere.
2. Maritime air masses carry a large amount of moisture than the continental air masses.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.34) Consider the below statements:

1. Porosity refers to the capacity of a rock to allow water to flow through it.
2. Permeability refers to the water-holding capacity of the rock material and a permeable rock does not necessarily allow water to flow through it.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

GEOGRAPHY

Q.35) A flat, largely featureless part of the ocean floor between the mid-ocean ridge and the continental rise is called –

- a) Abyssal Plain
- b) Seamount
- c) Oceanic (Volcanic) Island
- d) Gyre

Q.36) Consider the below statements with regard to Neap Tide:

- 1. It occurs when the Earth, Sun and Moon are aligned.
- 2. Results in greatest variation between high and low tides.
- 3. Neap tides occur during the first and third quarter moon, when the moon appears "half full."

Which of the statements given above is/are correct?

- a) 1 only
- b) 3 only
- c) 1 and 2 only
- d) 1, 2 and 3

Q.37) Consider the following statements:

- 1. Gujarat is the only state which is both emergent and submergent
- 2. Eastern coast is emergent in nature (barring the Coromandel coast), whereas western coast is submergent (barring the Malabar)
- 3. The land advancing against sea is termed a positive movement and the sea advancing against land is known as a negative movement

Which of the statements given above is/are correct?

- a) 2 and 3 only
- b) 1 and 2 only
- c) 1 and 3 only
- d) All of the above

Q.38) Open-stunted forest with bushes and small trees having long roots and sharp thorns or spines are commonly found in

- a) Eastern Orissa
- b) North-eastern Tamil Nadu
- c) Shiwaliks and Terai regions
- d) Western Andhra Pradesh

Q.39) Near the shores Mangroves grow best in:

- a) Inter-tidal zone
- b) Intra-tidal zone
- c) Extra-tidal zone
- d) None of the above

Q.40) Match List I with List II and select the correct answer using the code given below the Lists:

**List I
(Ocean Current)**

- A. Guinea current
- B. Oyashio current
- C. Canaries current
- D. Kuroshio current

**List II
(Location in Map)**

GEOGRAPHY



Code:

	A	B	C	D
a)	4	3	1	2
b)	2	3	1	4
c)	2	4	1	3
d)	4	1	3	2

Q.41) Consider the following:

1. These forests are the most wide spread forests of India.
2. These regions experience seasonal changes.
3. Hardwood trees such as sal, teak, neem and shisham are found in this region.

The above given characteristic features belong to –

- a) Tropical Evergreen Forests
- b) Tropical Deciduous Forests
- c) Temperate Evergreen Forests
- d) Temperate Deciduous Forests

Q.42) Which of the below given are conditions that favour the formation of deltas?

1. Shallow sea, adjoining the delta
2. Strong current at the river mouth which leads to formation of tides

3. Active vertical and lateral erosion in the lower course of the river to supply large amount of sediments

Choose the correct answer from the code below:

- a) 1 only
- b) 3 only
- c) 2 and 3 only
- d) 1 and 2 only

Q.43) Consider the following statements:

1. Erosion is distinguished from weathering as no transportation of material is involved in case of erosion.
2. Abrasion is the process of gradual destruction of rocks through physical, chemical and biological processes caused by wind, water, climate change etc.

Which of the above statement(s) is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.44) Consider the following statements:

1. It is governed by topography.
2. Large changes in mean temperature occur over short distances.
3. Precipitation types and intensity also vary spatially.

The above characteristics are related with which of the following climate type?

GEOGRAPHY

Select the correct code:

- a) Polar Climates
- b) Cold Snow Forest Climates
- c) Highland Climates
- d) Tundra Climate

b) 2 and 3 only

c) 1 and 3 only

d) 1, 2 and 3

Q.47) The Tank irrigation is practised mainly in the peninsular region due to which of the following reasons?

Q.45) Consider the following:

- 1. Mesas and Buttas are associated with arid areas.
- 2. Peneplains are associated with humid conditions.
- 3. Dissected plateaux are associated with humid areas.

1. The undulating relief and hard rocks make it difficult to dig canals and wells in peninsular region.

2. There is little percolation of rainwater due to hard rock structure and ground water is not available in large quantity.

3. The clustered nature of population and agricultural fields also favours tank irrigation there.

4. There are several streams which become torrential during rainy season and way to make best use of this water is to impound it by constructing bunds and building tanks.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) 1 and 2 only
- d) 1, 2 and 3

Q.46) The prerequisite condition for the formation of artesian well are -

- 1. Layer of permeable rock lying between two impermeable rock layers so that water does not get escape.
- 2. The permeable rock should be exposed at the ground surface, so that rock can soak rainwater.
- 3. Structure of rock strata must be synclinal.

Select the correct code:

a) 1, 2 and 3 only

b) 1, 2 and 4 only

c) 2, 3 and 4 only

d) 1, 2, 3 and 4

Q.48) Match the following in correct sequence:

Land forms

Features

1. Rivers

A) Stalagmite

2. Desert

B) Truncated spurs

3. Glacier

C) Stump

4. Karsts

D) Wadi

Select the correct code:

- a) 1 and 2 only

GEOGRAPHY

E) Spurs

Codes:

1-2-3-4

- a) E-D-C-A
- b) A-D-B-E
- c) E-D-B-A
- d) A-C-D-B

Q.49) The rivers originating from the Amarkantak range present a good example of

- a) Dendritic Drainage pattern
- b) Radial Drainage pattern
- c) Trellis Drainage pattern
- d) Centripetal Drainage pattern

Q.50) Which of the factors influence the origin and nature of ocean currents?

- 1. Difference in density
- 2. Temperature
- 3. Salinity
- 4. Earth's rotation
- 5. Winds

Choose the correct answer:

- a) 1, 2 and 4
- b) 1, 2, 4 and 5
- c) 2, 4 and 5
- d) 1, 2, 3, 4 and 5

Q.51) Consider the following:

- 1. Gyres are spiraling circulations thousands of miles in diameter and rimmed by large, permanent ocean currents.

- 2. Eddies are smaller, temporary loops of swirling water that can travel long distances before dissipating.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.52) *Purvachal* or the Eastern hills and mountains comprises

- 1. Naga Hills
- 2. Patkai Hills
- 3. Dafla Hills
- 4. Lushai Hills

Choose the correct answer from the code given below:

- a) 1, 2 and 3 only
- b) 1, 2 and 4 only
- c) 1 and 2 only
- d) 2 and 4 only

Q.53) Consider the below statements with regard to Western Ghats and Eastern Ghats:

- 1. The mean height of the Western Ghats is more than that of Eastern Ghats.
- 2. The Eastern Ghats do not form a continuous chain like the Western Ghats.
- 3. The Eastern Ghats average width is less than that of Western Ghats.

GEOGRAPHY

Which of the statements given above is/are correct?

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1, 2 and 3
- d) None

Q.54) Consider the following characteristic features about Bhabar:

1. It is the largest part of Northern plain.
2. It contains calcareous deposits locally known as 'Kankar'.
3. Bhabar consists of old alluvial deposits, whereas Khadar consists of new alluvial deposits.

Which of the statements given above is/are correct?

- a) 3 only
- b) 2 and 3 only
- c) 1 and 2 only
- d) None

Q.55) Why Western Ghats in Karnataka receive more monsoon rainfall than Maharashtra and Kerala?

1. Due to continuous topography of the Ghats in Karnataka.
2. Due to the greater width of the mountains in Karnataka.
3. Mountains of Karnataka have very steep slopes.

Choose the correct answer from the code given below:

- a) 1 and 2 only
- b) 1 and 3 only
- c) 1, 2 and 3
- d) None

Q.56) Which of the statements given below is/are not true in regard to western coastal plain?

- a) It is a narrow belt.
- b) Eastern coastal plain receives comparatively low rainfall but the Western coastal plain receives heavy rainfall.
- c) West Coast Plain is infertile and agriculturally not prosperous except in the Malabar Coast.
- d) It is an example of emergent coastal plain.

Q.57) Which of the statements given below is/are correct about Terai region?

1. Terai is an ill-drained, damp (marshy) and thickly forested narrow tract to the south of Bhabar running parallel to it.
2. It is a swampy lowland with silty soils.
3. Terai soils are rich in phosphate and organic matter but are deficient in nitrogen.

Choose the correct answer from the code given below:

- a) 1 only
- b) 1 and 2 only
- c) 2 and 3 only
- d) 1, 2 and 3

GEOGRAPHY

Q.58) Consider the following about Laterite Soils and select the incorrect statement:

- a) They are formed under conditions of high temperature and heavy rainfall with alternate wet and dry periods.
- b) They are rich in bauxite or ferric oxides.
- c) They are fertile and suitable for growing plantation crops like tea, coffee, rubber.
- d) They are found on the summits of Western Ghats and Eastern Ghats.

Q.59) Natural vegetation in tropical rainforest is luxuriant, because of –

- 1. Seasonal change which facilitates nutrient absorption.
- 2. Hot and wet climate throughout the year.
- 3. Fertile soil.
- 4. Rapid nutrient cycling.

Choose the correct answer from the code given below:

- a) 1 and 3 only
- b) 2 and 4 only
- c) 2, 3 and 4 only
- d) 1, 2, 3 and 4

Q.60) Consider the below statements with regard to Himalayan and Peninsular river system:

- 1. Peninsular rivers are not as long as the Himalayan rivers.

- 2. Peninsular rivers are smaller in number, whereas Himalayan rivers are larger in number.
- 3. Himalayan rivers follow more or less straight course and do not change their course.
- 4. Peninsular rivers are useful for irrigation and navigation.

Which of the statements given above is/are correct?

- a) 1 and 2 only
- b) 1, 2 and 4 only
- c) 1, 3 and 4 only
- d) 1, 2, 3 and 4