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**Prep Series Part - 18**

50 QUESTIONS

# GEOGRAPHY & ENV.

**(PART - IV)**

Q1. Consider the following statements.

1. Igneous rocks are formed when magma cool down, and become solid.
2. Magma is the molten material that erupts during a volcano.
3. Igneous rocks are mostly formed beneath the Earth's surface.
4. The most common type of igneous rocks is the Conglomerate.

Which of the statements given above are correct?

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

Q2. Prevailing Westerlies are the winds in the middle latitudes between 35 and 65 degrees latitude. Consider the following statements related to it.

1. They tend to blow from the high pressure area in the horse latitudes towards the poles.
2. The winds are predominantly from the southwest in the Northern Hemisphere and from the northwest in the Southern Hemisphere.
3. Westerlies are particularly strong, especially in the northern hemisphere, where there is vast expanse of land in the middle latitudes to cause the flow pattern to amplify or become more north-south

oriented.

4. The strongest westerly winds in the middle latitudes can come in the Roaring Forties which are between 40 and 50 degrees latitude.

Which of the statements given above are correct?

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

Q3. Which of the statements given below are correct?

1. An earthquake is the perceptible shaking of the surface of the Earth, resulting from the sudden release of energy in the Earth's crust that creates seismic waves.
2. Earthquakes are measured using observations from seismometers.
3. The moment magnitude is the most common scale on which earthquakes larger than approximately 5 are reported for the entire globe.
4. Intensity of shaking is measured on the modified Mercalli scale.

Select the correct code

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

Q4. Which of the following statements about Evergreen forests are correct?



1. These forests are found over areas where the dry season is short and the rainfall in excess of 300 cm.
2. These forests are common on the rainy slopes of the Western Ghats, Northern Plains, Deccan Plateau and the hills of Assam.
3. The commercially useful varieties include rosewood, ebony and mahogany.

Select the correct code

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

Q5. Consider the following statements.

1. A tropical cyclone is a rotating, organized system of clouds and thunderstorms that originates over tropical or subtropical waters and has a closed low-level circulation.
2. Tropical cyclones rotate clockwise in the Northern Hemisphere and counter clockwise in the Southern Hemisphere.
3. In the western North Pacific, the tropical cyclone is called typhoons; similar storms in the Indian Ocean and South Pacific Ocean are called cyclones.

Which of the statements given above are correct?

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

Q6. Consider the following statements.

1. It defines a layer in which temperatures rises with increasing altitude.
2. The layer occupies the region of atmosphere from about 12 to 50 km, although its lower boundary tends to be higher nearer the equator and lower nearer the poles.
3. It is almost completely free of clouds or other forms of weather.
4. The rise in temperature is caused by the absorption of ultraviolet (UV) radiation from the Sun by the ozone layer.

Which of the following layer of atmosphere possess the above characteristics?

- (a) Troposphere      (b) Stratosphere

- (c) Thermosphere      (d) Mesosphere

Q7. Consider the following statements.

- A. Much of the stormy weather is associated with the mid-latitudes (30 degrees to 50 degrees).  
R. As most of the heat transfer takes place across the mid latitudes.

Select the right code

- (a) If both A and R are correct and R correctly explain A  
(b) If both A and R are correct and R does not explain A  
(c) If only A is right  
(d) If only R is right

Q8. Consider the following statements.

1. The Deccan Rivers rise at high elevations and are fed by the eternal snow.
2. The Deccan Rivers flow through young topography, and as they emanate from great heights, their erosive power is more.
3. They frequently change course and are continuously shaping the valleys through which they flow.

Which of the statements given above are correct?

- (a) All 1, 2 and 3      (b) 2 and 3 only  
(c) 1 and 2 only      (d) Neither a nor b nor c

Q9. Consider the following statements about Mechanical weathering.

1. Mechanical weathering is the disintegration of rock into smaller and smaller fragments.
2. Frost action is an effective form of mechanical weathering.
3. Exfoliation is a form of mechanical weathering in which curved plates of rock are stripped from rock below.

Which of the statements given above are correct?

- (a) All 1, 2 and 3      (b) 2 and 3 only  
(c) 1 and 2 only      (d) Neither 1 nor 2 nor 3

Q10. Consider the following statements.

1. This plant requires hot and humid climate with temperature varying between 15°C



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and 28°C and rainfall from 150 to 250 cm.

2. It does not tolerate frost, snowfall, high temperature above 30°C and strong sun shine and is generally grown under shady trees.
3. Prolonged drought is also injurious to this.
4. Stagnant water is harmful and this crop is grown on hill slopes at elevations from 600 to 1,600 metres above sea level.

Which of the following type of crop possess the above characteristics?

- (a) Tea (b) Coffee  
(c) Rubber (d) Coconut

Q11. The tank irrigation is practiced mainly in peninsular India due to which of the following reasons?

1. The undulating relief and hard rock's make it difficult to dig canals and wells.
2. There is little percolation of rain water due to hard rock structure and ground water is not available in large quantity.
3. Most of the rivers of this region are seasonal and dry up in summer season.
4. The dense nature of population and agricultural fields also favours tank irrigation.

Select the correct code

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

Q12. Common examples of metamorphic rocks is/are-

- (a) Marble (b) Slate  
(c) Quartzite (d) All a, b and c

Q13. Identify the landforms from the following created by glacier.

1. Moraine
2. Cirque
3. Pothole
4. Mushroom rock
5. Fiord

Select the correct code

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

Q14. Lake Victoria touches which of the following countries?

1. Kenya
2. Democratic Republic of Congo
3. Tanzania
4. Uganda

Select the correct code

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

Q15. Consider the following statements.

1. This plateau is drained by the North flowing chambal and its tributaries.
2. The plateau is composed of extensive lava flows and covered with black soil.
3. The plateau inherits a complex geology, scarcely any one of the peninsular groups is unrepresented here.

Which of the following peninsular plateau possess the above characteristics?

- (a) The Bundelkhand Plateau  
(b) The Chotanagpur Plateau  
(c) The Baghelkhand Plateau  
(d) The Malwa Plateau

Q16. The climate of a country depends upon which of the following factors?

1. Location
2. Size
3. Altitude
4. Wind
5. Distance from the sea

Select the correct code

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

Q17. Characteristics of Trade Winds includes-

1. They blow from Sub-tropical High Pressure to Equatorial Low Pressure.
2. Since they are warm winds, they pick up moisture and are responsible for heavy rainfall on eastern sides of tropical lands.
3. They are called North-East Trades in Northern Hemisphere and South East Trades in Southern Hemisphere.

Select the correct code

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

Q18. Temperate Grasslands are found throughout



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the globe, generally in the interiors of the continents and north or south of the tropic of cancer/capercorn. Which of the following are the types of Temperate Grasslands?

1. Veldts of South Africa
2. Pampas of Argentina/Uruguay
3. Steppes of Russia / China
4. Plains and Prairies of North America

Select the correct code

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

Q19. Consider the following statements

- A. The Baltic Sea, almost enclosed by northern Europe and Scandinavia, has a very low salinity.  
R. The Baltic Sea has the huge amount of freshwater added from hundreds of rivers.

Select the correct code

- (a) If both A and R are right and R correctly explain A  
(b) If both A and R are right and R does not explain A  
(c) If only A is correct  
(d) If only R is correct

Q20. The Trans Himalaya is also called the Tibetan Himalaya. This range consists of which of the following ranges?

1. Karakoram                      2. Mahabharata
3. Ladakh                            4. Kailash range

Select the correct code

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

Q21. Stalactites and stalagmites are-

- (a) Depositional landforms created by ground water  
(b) Erosional landforms of ground water  
(c) Erosional landform created by the action of sea waves  
(d) Depositional landform created by the action of river

Q22. Identify the intrusive igneous rocks from the following.

1. Batholiths                      2. Gabbro
3. Basalt                              4. Laccoliths

5. Pumice

Select the correct code

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

Q23. Consider the following statements.

1. These soils are usually found in temperate areas that receive more than 60 centimeters of rain each year.
2. They are very fertile, containing an abundance of aluminum and iron, and are a brown-black color.
3. These soils are present in much of the eastern half of the United States and most of Canada.

Which of the following type of soil possess the above characteristics?

- (a) Pedalfers                      (b) Pedocals  
(c) Laterites                      (d) Neither a nor b nor c

Q24. Which of the following facts about Indian Monsoon is correct?

1. In the north India, rainfall decreases eastwards
2. Rainfall occurs in summer
3. Rainfall is erratic and unpredictable
4. Rainfall is unevenly distributed

Select the correct code

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

Q25. Identify the incorrect statement from the following.

- (a) Of the total land surface of India, 90 per cent drains into the Bay of Bengal and the remaining drains into the Arabian Sea.  
(b) Only a very small percentage of the area has an inland drainage system.  
(c) The Bay of Bengal and the Arabian Sea drainage systems are separated along a distinct divide which lies approximately along the Sahyadris, Amarkantak, Aravallis and the Satluj- Yamuna divide.  
(d) Neither a nor b nor c

Q26. Consider the following statements about the Deccan Plateau.

1. The Deccan Plateau lies to the south of the Narmada River.



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2. It is triangular in shape.
3. It extends into the north east which encompasses Meghalaya, Karbi-Anglong Plateau and North Cachar Hills.
4. The slope of the Deccan Plateau is from east to west.

Which of the statements given above are correct?

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

Q27. Consider the following statements

1. This is the fastest kind of seismic wave, and, consequently, the first to 'arrive' at a seismic station.
2. This wave can move through solid rock and fluids, like water or the liquid layers of the earth.
3. They are also known as compressional waves, because of the pushing and pulling they do.

Which of the following type of wave possess the above characteristics?

- (a) P waves                      (b) S waves  
(c) L waves                      (d) Love wave

Q28. There are certain special conditions which are necessary prerequisites for the growth and development of corals. Consider the following statements related to it.

1. For the growth and development of corals the surface temperature of the ocean must be above 20°C.
2. The water must be shallow, with a depth not exceeding 25-30 fathoms.
3. Corals need clear water that is free from abundant sediments. That is why coral reefs cannot develop where rivers enter the sea or where wave-erosion causes muddy coastal water.
4. There must be adequate food supply to nourish the abundant life of the coral reef.

Which of the statements given above are correct?

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

Q29. Consider the following.

<b>Races</b>	<b>Location</b>
--------------	-----------------

- |               |                  |
|---------------|------------------|
| 1. Semeng     | Malaya Peninsula |
| 2. Hottontons | S. W. Africa     |
| 3. Ainu       | Japan            |
| 4. Lapp       | Sweden           |

Which of the pairs given above are correct?

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

Q30. Consider the following statements.

1. These soils in India are found in the Eastern Ghat of Orissa, the Southern parts of Western Ghat, Malabar Coastal plains and Ratnagiri of Maharashtra and some part of Andhra Pradesh, Tamil Nadu, Karnataka, Meghalaya, western part of West Bengal.
2. These soils in India are not fertile at all and are not suitable to agriculture.
3. They are coarse in texture and poor in nitrogen, phosphoric acid, potash and urea.
4. Plants like cashew grow well along with Tapioca.

Which of the following type of soil possess the above characteristics?

- (a) Peat soil                      (b) Laterite soil  
(c) Red soil                      (d) Neither a nor b nor c

Q31. Duncan Passage separates-

- (a) Little Andaman and Car Nicobar Island  
(b) Car Nicobar Island and Indira Point  
(c) South Andaman and Little Andaman  
(d) Kavaratti and Minicoy

Q32. Which of the following statements is/are incorrect?

1. The tides are influenced by both the Moon and the Sun.
2. When the Sun lines up with the Moon and the Earth, as during a New Moon or Full Moon (a configuration also called "syzygy"), the tidal effect is increased.
3. Apogeean and Perigeean tides are related to the location of sun with the earth.

Select the correct code

- (a) 1 and 2 only            (b) 3 only



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- (c) 2 and 3 only            (d) Neither 1 nor 2 nor 3
- Q33. Consider the following statements.
1. It is a pebble covered belt.
  2. It is 8 to 16km in width.
  3. It lies parallel to the Shiwalik slopes.
  4. All the stream disappears into the belt.

Which of the following features possess the above characteristics?

- (a) Bhangar                    (b) Trai  
(c) Khadar                    (d) Bhabar

- Q34. Soil is made up of different-sized particles. Consider the following statements related to it.
1. Soil texture refers to the size of the particles that make up the soil and depends on the proportion of sand, silt and clay-sized particles and organic matter in the soil.
  2. Soil structure describes the way the sand, silt and clay particles are clumped together.
  3. Soils that are a mixture of sand, silt and clay are called loams.

Which of the statements given above are correct?

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

- Q35. Identify the factors responsible for controlling temperature from the following.
1. Latitude
  2. Ocean currents
  3. Differential heating of land and water
  4. Altitude
  5. Aspects of slope

Select the correct code

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

- Q36. The Union Cabinet, chaired by Prime Minister Narendra Modi, has approved to pass the official amendment of the National Waterways Bill, 2015. Consider the following statements related to it.
1. The bill seeks to add 106 inland waterways to the existing six National Waterways on the recommendations of the Parliamentary Standing Committee on Transport, Tourism

and Culture and comments of several state governments

2. The bill will also look after the renovation and maintenance of the existing waterways
3. The bill also aims to help the Inland Waterways Authority of India (IWAI) to develop the feasible stretches for Shipping and Navigation.

Which of the statements given above are correct?

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

- Q37. Consider the following about soil profile.

1. O : The O horizon is a surface horizon that is comprised of organic material at various stages of decomposition.
2. A : The A horizon is a surface horizon that largely consists of minerals (sand, silt, and clay) and with appreciable amounts of organic matter.
3. E : The E horizon is a subsurface horizon that has been heavily leached.
4. B : The B horizon is a subsurface horizon. It is the least weathered horizon; it is unconsolidated, loose parent material.

Which of the pairs given above are correct?

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

- Q38. Consider the following statements.

1. The currents are generated from the forces acting upon the water like the earth's rotation, the wind, the temperature and salinity differences and the gravitation of the moon.
2. The depth contours, the shoreline and other currents influence the current's direction and strength.
3. Ocean currents are very important in determining the climates of the continents, especially those regions bordering on the ocean.
4. Perhaps the most striking example is the Gulf Stream, which makes northeast Europe much more temperate than any other region at the same latitude.

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Which of the statements given above are correct?

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

Q39. Correctly match the following.

**List I**

A. State with Highest  
Female Sex Ratio

B. UT with Lowest  
Female Sex Ratio

C. Most urbanized  
state of India

D. Second Highest  
Literacy in India

**List II**

1. Kerala

2. Daman & Diu

3. Goa

4. Pondicherry

Select the correct code

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

Q40. Identify the incorrect statement.

- (a) Jet streams are relatively narrow bands of strong wind in the upper levels of the atmosphere.  
(b) The winds blow from east to west in jet streams but the flow often shifts to the north and south.  
(c) Jet streams follow the boundaries between hot and cold air.  
(d) Neither a nor b nor c

Q41. The Bhakra Nangal Project is joint venture of which of the following states of India?

1. Punjab                      2. Haryana  
3. Himachal Pradesh      4. Rajasthan

Select the correct code

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

Q42. Which of the following pairs are correct?

1. Mistral- Blows in Spain & France from N-W to S-E. Common during winter
2. Pampero - Blows along the shores of the Adriatic Sea.
3. Blizzard - Snow laden wind in Canada.
4. Purga- Snow laden wind in Russian tundra.
5. Bise- An extremely cold wind in France

Select the correct code

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

- (c) 1, 2 and 4 only      (d) All 1, 2, 3, 4 and 5

Q43. Which of the following rivers passes through Rift Valley?

1. Narmada                      2. Tapi  
3. Cauvery                      4. Periyar

Select the correct code

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

Q44. The East Coast plain runs smoothly from the north to the south with a broad plain and level surface. Consider the following statements related to it.

1. The large rivers make wide deltas on the Eastern Coastal Plains.
2. The Eastern Coast is sandy with alluvium and slopes gently towards the sea.
3. The Eastern Coast is broken and indented and suitable for ports.
4. This Coastal plain receives comparatively heavy rainfall.

Which of the statements given above are correct?

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

Q45. Identify the cold currents from the following.

1. Agulhas Current
2. Benguela Current
3. Canaries Current
4. Humboldt (Peru) Current
5. Kuroshio (Japan) Current

Select the correct code

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

Q46. Identify the correct statement(s) from the following.

- (a) National Highway 47A is the shortest highway in India.  
(b) It links the man-made isle of Willingdon Island with Kochi by-pass.  
(c) National Highway 7 is the longest national highway in India, which passes through Uttar Pradesh, Madhya Pradesh, Maharashtra, Andhra Pradesh, Karnataka, and Tamil Nadu.  
(d) All a, b and c

Q47. Consider the following statements.

- A. The amount of energy reflected by a

surface is called albedo.

- R. Snow and ice are very light in color and have very high albedo.

Select the correct code

- (a) If both A and R are correct and R correctly explain A.
- (b) If both A and R are correct and R does not explain A.
- (c) If only A is correct
- (d) If only R is correct

Q48. The atmosphere is heated or cooled by the processes that includes-

- 1. Partial absorption of solar radiation by the atmosphere
- 2. Conduction
- 3. Terrestrial radiation
- 4. Convection and advection
- 5. Latent heat of condensation

Select the correct code

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

Q49. The largest reef in the world found off-

- (a) Florida coast of USA
- (b) Queensland coast of Australia
- (c) Lakshadweep island
- (d) Neither a nor b nor c

Q50. The amount of insolation received at the surface of the Earth is controlled by which of the following factors?

- 1. The angle of the sun,
- 2. The state of the atmosphere,
- 3. Altitude,
- 4. Geographic location,

Select the correct code

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

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