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Prep Series Part - 7

50 QUESTIONS

GEOGRAPHY & ENV.

(PART - II)

Q1. Which of the following statements is/are incorrect?

- (a) The warm water of the central Pacific Ocean slowly drifts towards South American coast and replaces the cool Peruvian current. Such appearance of warm water off the coast of Peru is known as the El Nino.
- (b) The El Nino event is closely associated with the pressure changes in the Central Atlantic and Australia.
- (c) Both a and b
- (d) Neither a nor b

Q2. Which of the following statements about India are correct?

- 1. India's total area accounts for about 2.4 per cent of the total geographical area of the world.
- 2. India is the seventh largest country of the world.
- 3. India has a land boundary of about 15,200 km and the total length of the coast line of the mainland including Andaman and Nicobar and Lakshadweep is 7,516.6 km.
- 4. The Standard Meridian of India (82°30'E) passing through Saharanpur (in Uttar Pradesh) is taken as the standard time for the whole country.

Select the correct code

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

Q3. Identify the Non-renewable resources from the following.

- 1. Coal
- 2. Petroleum
- 3. Wind Energy
- 4. Natural Gas

Select the correct code

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

Q4. Consider the following statements.

- 1. Over 97 per cent of coal reserves occur in the valleys of Damodar, Sone, Mahanadi and Godavari.
- 2. Petroleum reserves are located in the sedimentary basins of Assam, Gujarat and Mumbai High i.e. off-shore region in the Arabian Sea.

Which of the statements given above is/are incorrect?

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

Q5. Identify the correct statement(s) from the following.

- (a) The oceanic crust mainly consists of silica and magnesium; it is therefore called sima.
- (b) Just beneath the crust is the mantle which extends up to a depth of 2900 km. below the crust.



(c) The innermost layer is the core mainly made up of nickel and iron and is called nife.

(d) All a, b, c

Q6. Which of the following statements about Bioremediation is/are correct?

1. Bioremediation is the process of using organisms to neutralize or remove contamination from waste.
2. This form of waste remediation always uses toxic chemicals; also it may use an organism that can be harmful under certain circumstances.

Select the correct code

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

Q7. Which of the following are the Threats to Biodiversity?

1. Habitat destruction
2. Introduction of endemic species
3. Pollution
4. Over exploitation

Select the correct code

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

Q8. Consider the following statements.

1. In the Convention of Biological Diversity ('The Earth Summit') held in Rio de Janeiro, the countries pledged their commitment to achieve by 2010, a significant reduction in the current rate of biodiversity loss at global, regional and local levels.
2. The World Summit of Sustainable Development held in Johannesburg, South Africa, called upon all nations to take appropriate measures for conservation of biodiversity and sustainable utilisation of its benefits.

Which of the statements given above is/are incorrect?

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

Q9. Consider the following statements.

1. The Cartagena Protocol on Bio-safety is an international agreement (treaty), concluded and adopted in the framework of the Convention on Biological Diversity (CBD).
2. The CBD has much broader aims regarding the conservation and sustainable use of biological diversity and the sharing of benefits arising from the use of genetic resources.

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

Q10. Consider the following statements about Biosphere Reserve.

1. They represent an excellent alternative to implement a harmonious relationship between human and nature.
2. Biodiversity is a source of food, fiber, medicines and raw materials for industry and construction.
3. They Strengthen the maintenance of the systems that support life; preventing soil erosion, protecting the water springs; and decomposers agents facilitating recycling of nutrients and absorbing air / water pollutants.

Which of the statements given above is/are correct?

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

Q11. Consider the following statements.

1. They are created when large areas are broken and displaced vertically.
2. The uplifted blocks are termed as horsts and the lowered blocks are called graben.
3. The Rhine valley and the Vosges Mountains are some of its example.

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

- (a) Fold Mountain (b) Volcanic Mountain
(c) Block Mountain (d) Neither a nor b nor c

Q12. Identify the incorrect statement from the following.



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- (a) The Deccan plateau in India is one of the newest plateaus.
- (b) The Tibet plateau is the highest plateau in the world with a height of 4,000 to 6,000 metres above the mean sea level.
- (c) In India huge reserves of iron, coal and manganese are found in the Meghalaya plateau.
- (d) Only a and c

Q13. Which of the following are correctly paired?

List I	List II
A. Winter Solstice	: 22nd December
B. Equinox	: 21st March
C. Summer Solstice	: 23rd September

Select the correct code

- (a) A only
- (b) B and C only
- (c) A and B only
- (d) A, B and C

Q14. Consider the following statements.

1. In general, the foci of the earthquake in the areas of mid-oceanic ridges are deep-seated ones.
2. Along the Alpine-Himalayan belt as well as the rim of the Pacific, the earthquakes are at shallow depths.

Which of the statements given above is/are incorrect?

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

Q15. Consider the following statements.

1. It requires high temperature, light rainfall, two hundred and ten frost-free days and bright sunshine for its growth.
2. It grows best on black and alluvial soils.
3. China, USA, India, Pakistan, Brazil and Egypt are the leading producers of this crop.

Which of the following crops possess the above characteristics?

- (a) Coffee
- (b) Cotton
- (c) Jute
- (d) Sugar

Q16. Why CNG (Compressed Natural Gas) is preferred over the petrol or diesel?

1. CNG burns most efficiently, unlike petrol or

diesel, in the automobiles and very little of it is left unburnt.

2. CNG is cheaper than petrol or diesel, cannot be siphoned off by thieves and adulterated like petrol or diesel.
3. The main problem with switching over to CNG is the difficulty of laying down pipelines to deliver CNG through distribution points/pumps and ensuring uninterrupted supply.

Select the correct code

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

Q17. Which of the following nutrient cycle exists in the atmosphere?

1. Nitrogen
2. Carbon cycle
3. Sulphur cycle
4. Phosphorus cycle

Select the correct code

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

Q18. Consider the following statements about 'phosphorus'.

1. It is a major constituent of biological membranes, nucleic acids and cellular energy transfer systems.
2. Many animals need large quantities of this element to make shells, bones and teeth.
3. The natural reservoir of phosphorus is rock, which contains phosphorus in the form of phosphates.

Which of the statements given above is/are correct?

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

Q19. What can be the consequences of deforestation?

1. Decreased carbon dioxide
2. Loss of biodiversity
3. Disturbs hydrologic cycle
4. Desertification

Select the correct code

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



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Q20. Which among the following are the Major biomes of India?

1. Tropical rain forest
2. Deciduous forest
3. Desert
4. Montane Forest

Select the correct code

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

Q21. Consider the following statements.

1. There are three distinct crop seasons in the northern and interior parts of country, namely kharif, rabi and zaid.
2. The kharif season largely coincides with the onset of winter in October-November under which the cultivation of tropical crops such as rice, cotton, jute, jowar, bajra and tur is possible.
3. The rabi crops include wheat, gram, mustard.

Which of the statements given above are correct?

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

Q22. Laterite soil is mainly found in which of the following states of India?

1. Karnataka
2. Kerala
3. Bihar
4. Tamil Nadu
5. Madhya Pradesh

Select the correct code

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

Q23. Which of the following factors control the formation of soils?

1. Parent material
2. Topography
3. Climate
4. Biological activity
5. Time

Select the correct code

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

Q24. Identify the correct statement(s).

- (a) In India, Punjab and Assam have large deposits of Uranium.
- (b) Thorium is found in large quantities in the Monazite sands of Kerala.
- (c) The Nuclear power stations in India are

located in Kalpakkam in Tamil Nadu, Tarapur in Maharashtra, Ranapratap Sagar near Kota in Rajasthan, Narora in Uttar Pradesh and Kaiga in Karnataka.

(d) Only b and c

Q25. Consider the following statements.

1. In India, the mangrove forests spread over a number of Sq. Kms which is almost 7 per cent of the world's mangrove forests.
2. They are highly developed on the Western Ghats of India.
3. Other areas of significance are the Mahanadi, the Godavari and the Krishna deltas.

Which of the statements given above is/are correct?

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

Q26. Consider the following statements.

- A. Bio-magnification refers to increase in concentration of the toxicant at successive trophic levels.
- R. A toxic substance accumulated by an organism cannot be metabolised or excreted, and is thus passed on to the next higher trophic level.

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.

Q27. The Nekton is –

- (a) Group that includes both microscopic plants like algae and animals like crustaceans and protozoans.
- (b) Group that contains animals which are swimmers
- (c) These are organisms found living in the bottom of the water mass.
- (d) These are organisms which remain attached to stems and leaves of rooted plants etc.

Q28. Which of the following sites are protected as water-fowl habitats under the Convention of



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Wetlands of International Importance (Ramsar Convention)?

1. Chilika Lake (Orissa)
2. Majuli Island
3. Keoladeo National Park (Bharatpur)
4. Bharatpur bird sanctuary

Select the correct code

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

Q29. Identify biodiversity hotspot region from the following.

1. Western Ghats and Sri Lanka
2. Indo-Burma
3. Western Himalaya

Select the correct code

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

Q30. Some species have become extinct. Which of the following pairs related to it are correct?

Species **Location**

1. Dodo : Mauritius
2. Quagga : Australia
3. Thylacine : Africa
4. Steller's sea cow : Russia

Select the correct code

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

Q31. The main elements of atmosphere which are subject to change and which influence human life on earth are-

1. Temperature 2. Pressure
3. Winds 4. Humidity
5. Clouds

Select the correct code

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

Q32. Moraines are long ridges of deposits of glacial till. Which of the following are correctly paired?

1. Terminal moraines : are long ridges of debris deposited at the end (toe) of the glaciers.
2. Lateral moraines : form along the sides parallel to the glacial

valleys.

3. Ground moraines : they form in the centre of the glacial valley flanked by lateral moraines.

Select the correct code

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

Q33. Consider the following statements.

1. This region lies towards south of the bhabar belt.
2. In this region, the streams reappear and make a wet, swampy and marshy region.
3. This region was full of forest and wildlife but after partition all this area was cleared and was converted into agricultural land for the settlement of the migrants.

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

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

Q34. Bajra is sown-

1. In hot and dry climatic conditions in north western and western parts of the country.
2. It is a hardy crop which resists frequent dry spells and drought in this region.
3. Leading producers of bajra are the states of Maharashtra, Gujarat, Uttar Pradesh, Rajasthan and Haryana.

Select the correct code

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

Q35. Which of the following are associated with the Chemical Weathering Processes?

1. Solution 2. Exfoliation
3. Carbonation 4. Hydration

Select the correct code

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

Q36. Consider the following statements about National Green Corps.

1. National Green Corps, popularly known as NGC is a national programme conceptualized and initiated by the Ministry



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of Environment and Forests, Government of India.

2. As the name suggests, it is a programme to sensitize college going students about environment, its problems and conservation.
3. The programme is operational across the country.

Which of the statements given above is/are correct?

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

Q37. The Rotterdam Convention is a/an-

1. International treaty designed to facilitate informed decision-making by countries with regard to trade in hazardous chemicals.
2. It establishes a list of covered chemicals but does not requires parties seeking to export a chemical on that list to first establish that the intended importing country has consented to the import.

Select the correct code

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

Q38. Consider the following statements.

1. The Decomposers break down complex organic matter into inorganic substances like carbon dioxide, water and nutrients and the process is called decomposition.
2. Decomposition is largely a nitrogen-requiring process.
3. Dead plant remains such as leaves, bark, flowers and dead remains of animals, including faecal matter, constitute detritus, which is the raw material for decomposition.

Which of the statements given above is/are correct?

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

Q39. Stenothermal is-

- (a) A group of organisms that can tolerate and thrive in a wide range of temperatures.
- (b) A group of organisms that is restricted to a narrow range of temperatures.

- (c) Both are correct
- (d) Both are incorrect

Q40. Consider the following statements.

1. Automobiles are a major cause for atmospheric pollution at least in the metro cities.
2. Proper maintenance of automobiles along with use of lead-free petrol or diesel can reduce the pollutants they emit.

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

Q41. Identify the tributaries of the River Ganga from the following-

1. The Ghaghra 2. The Son
3. The Manjira 4. The Gandak
5. The Kosi

Select the correct code

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

Q42. Identify the varieties of coniferous trees from the following-

1. Pine 2. Deodar
3. Peepal 4. Fir

Select the correct code

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

Q43. A variety of dolphin locally called Susu (also called blind dolphin) is found in which of the following rivers?

1. River Ganga 2. River Godavari
3. River Brahmaputra 4. River Narmada

Select the correct code

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

Q44. Ecology is basically concerned with which of the following levels of biological organisation?

1. Organisms 2. Populations
3. Communities 4. Biomes

Select the correct code

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

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Q45. Consider the following statements.

1. Presence of large amounts of nutrients in waters causes excessive growth of planktonic (free-floating) algae, called an algal bloom which imparts a distinct colour to the water bodies.
2. Algal blooms improve the quality of water and highly beneficial for fish.

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

Q46. Consider the following statements about Tropical evergreen forests.

1. Tropical evergreen forests are well stratified, with layers closer to the ground and are covered with shrubs and creepers, with short structured trees followed by tall variety of trees.
2. There is no definite time for trees to shed their leaves, flowering and fruition.
3. Species found in these forests include white cedar, hollock and kail etc.

Which of the statements given above is/are correct?

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

Q47. Which of the following statements about Ecotone is/are correct?

- (a) Ecotones occur at edges and physical boundaries, where fresh water meets salt water and water meets land etc.
(b) The term refers to the transition from one

ecosystem to another, as well the stress inherent in a population at the limit of its tolerance for specific environmental conditions.

- (c) It may be very narrow or quite wide
(d) All a. b. c

Q48. Which of the following is/are correctly paired?

- (a) The primary consumers : carnivores or primary carnivores
(b) Secondary consumers : herbivores
(c) Tertiary consumers : top carnivores
(d) All a, b, c

Q49. Consider the following statements.

1. The gradual and fairly predictable change in the species composition of a given area is called sere(s).
2. The entire sequences of communities that successively change in a given area are called ecological succession.

Which of the statements given above is/are incorrect?

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

Q50. Which of the following factors regulate the rate of function of the entire pond?

1. The solar input
2. The cycle of temperature
3. Day-length

Select the correct code

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



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