

UPSC MOCK TEST IV

1. Consider the following statements:

1. The Himalayan mountain range extends from the Sutlej river in the west to the Brahmaputra river in the east.
2. The width of the Himalayan mountain range decreases from west to east.
3. The height of the western part of the Himalayan mountain range is more diverse than the eastern part.

Which of the statements given above is/are not correct?

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

2. Match the List-I related to the Himalayan regions, from west to east, with List-II:

Himalayan Ranges	Region
A. Punjab Himalaya	1. Between Sutlej and Indus river
B. Kumaon Himalaya	2. Between Kali and Teesta river
C. Nepal Himalaya	3. Between Sutlej and Kali river
D. Assam Himalaya	4. Between Teesta and Dihang river

Which of the pairs given above is/are correctly matched?

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

3. Consider the following pairs:

<u>Pass</u>	<u>State</u>
1. Thalghat	- Maharashtra
2. Palghat	- Goa
3. Bhorghat	- Kerala
4. Diphu	- Arunachal Pradesh

Which of the pairs given above is/are *not* correctly matched?

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

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4. Which of the following statements is not correct?

- (a) Western Ghats are higher than Eastern Ghats.
- (b) The expansion of the Western Ghats is continuous, while the expansion of the Eastern Ghats is not.
- (c) Udagamandalam is an important hill station located in Annamalai mountain range
- (d) The highest peak of the Eastern Ghats is Jindhagada.

5. Pitli Island, a bird sanctuary where no human habitation exists, is situated in?

- (a) Andaman and Nicobar Islands
- (b) Lakshadweep Islands
- (c) New Moore Islands.
- (d) Pamban Island

6. Which of the following tributaries of the Ganga rise from the Nepal Himalayas?

- 1. Ghaghara
- 2. Ramganga
- 3. Gandak
- 4. Kosi

Select the correct answer using the code given below:

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

7. In the context of Peninsular Rivers and Origin Sites, match List I with List-II:

List I

List-II

- | | |
|-------------|---------------------------|
| A. Tapi | 1. Brahmagiri hill-chain |
| B. Godavari | 2. Mahabaleshwar |
| C. Krishna | 3. Satpura mountain range |
| D. Kaveri | 4. Trimbakeshwar |

Code:

A B C D

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

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8. Which of these are fresh water lakes?

1. Dal Lake
2. Wular Lake
3. Bhimtal
4. Loktak
5. Barapani

Select the correct answer using the code given below:

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

9. In the context of Ganga Action Plan, consider the following statements:

1. The first phase of the Ganga Action Plan was initiated in 1985.
2. The second phase of the Ganga Action Plan was included under the National River Conservation Plan.

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

10. The main factors that directly control the climate of a region are:

1. Latitude
2. Distance from the sea
3. Longitude
4. Air pressure
5. Altitude

Select the correct answer using the code given below:

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

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11. Which of the following statements is/are correct?

1. India's climate has characteristics of tropical as well as subtropical climates.
2. India has less diurnal and annual temperature difference in the northern part of the Tropic of Cancer.
3. Heterogeneous climate is found in the southern part of India with high daily and annual temperature difference.

Select the correct answer using the code given below:

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

12. In the context of Inter Tropical Convergence Zone (ITCZ), consider the following statements:

1. The Inter Tropical Convergence Zone (ITCZ), is a broad trough of low pressure in equatorial latitudes.
2. It moves north or south with the apparent movement of the sun.

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

13. With reference to the local winds and the benefiting crops, consider the following pairs:

Local winds	Crop
-------------	------

- | | |
|--------------------|----------|
| 1. Mango showers | - Mango |
| 2. Blossom Showers | - Coffee |
| 3. Kaal Baisakhi | - Jute |

Which of the pairs given above is/are correctly matched?

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

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14. Which regions of India receive rainfall 200 cm or more?

1. Western Ghats
2. Coromandel Coast
3. North-Eastern Sub-Himalayan Areas
4. Meghalaya Hills

Select the correct answer using the code given below:

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

15. In which type of forests sandalwood, amla, mahua, teak and bamboo are found?

- (a) Tropical evergreen forest
- (b) Temperate continental evergreen forest
- (c) Moist deciduous forest
- (d) Dry deciduous forest

16. Mangrove forests are found in the deltaic parts of which of the following rivers?

1. Ganges
2. Godavari
3. Mahanadi
4. Krishna

Select the correct answer using the code given below:

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

17. Consider the following pairs:

List-I (Biosphere reserves) list-II (State)

- | | |
|-------------------|----------------|
| A. Nanda Devi | 1. Uttarakhand |
| B. Nokrek | 2. Assam |
| C. Dibru-Saikhowa | 3. Meghalaya |
| D. Agasthyamalai | 4. Kerala |

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Which of the pairs given above is/are correctly matched?

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

18. In terms of forest cover as percentage of total geographical area, arrange the following states in ascending order:

1. Meghalaya
2. Mizoram
3. Nagaland
4. Arunachal Pradesh
5. Manipur

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

19. Which of the following biosphere reserves in India are recognized by UNESCO on the global network?

1. Nanda Devi
2. Nilgiri
3. Sundarban
4. Gulf of Mannar

Select the correct answer using the code given below:

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

20. Which of the following statements correctly defines 'gender ratio'?

- (a) Number of females per 100 men
- (b) Number of females per 1000 men
- (c) Number of males and females born within one year.
- (d) Total number of females born in ten years.

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21. Consider the following statements:

1. Birth rate is the number of live births per thousand persons in a year.
2. In India, birth rates have always been higher than death rates

Which of the above statements is/are correct?

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

22. Which of the following are the attributes that a thing has, to be termed as a resource?

1. Technologically accessible.
2. Economic feasible.
3. Culturally acceptable.

Select the correct answer using the codes given below?

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

23. Consider the following statements:

1. Exclusive Economic zone is the area of 200 kilometre from the territorial water in the adjacent ocean.
2. The ocean resources beyond the EEZ are known as International resources.

Select the correct answer using the codes given below:

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

24. Consider the following statements about Agenda 21:

1. It is a voluntary action plan of United Nations related to sustainable development.
2. One of its major objectives is that every local government should draw its own local Agenda 21.

Select the correct answer given below:

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

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25. Which of the following have the contribution to the concept of Sustainable Development at the global level?

1. Club of Rome
2. Brundtland Commission report
3. Earth Summit

Select the correct answer using the codes given below:

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

26. Earth's atmosphere consists of several layers. But, troposphere is the hottest layer. Why?

- (a) It is closest to the thermosphere.
- (b) It contains charged particles that trap the solar insolation.
- (c) It is heated by the Earth's surface
- (d) It is the only atmospheric layer that generates heat other than absorbing it via different sources.

27. With regard to salinity of oceans, consider the following statements:

1. Salinity depends on the wind speed.
2. Among all the salts, sodium chloride is found in maximum proportion.
3. Enclosed seas or inland seas have lower salinity than open ocean.

Which of the statements given above is/are correct?

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

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28. Hot deserts of the world, mainly located on western margins of continents, are formed due to which of the following factors?

1. Off-shore trade winds.
2. Presence of adjacent cold currents washing the shore.
3. They lie in horse latitudes where air is ascending, a condition least favourable for precipitation.

Select the correct answer using the codes given below:

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

29. Arrange the following forests in the increasing order of their abundance in India:

1. Tropical Deciduous forests
2. Littoral and Swamp forests
3. Tropical Evergreen forests

Select the correct answer using the code given below:

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

30. With reference to Shadow Zone, consider the following statements:

1. A zone between 105° and 145° from epicentre is identified as a shadow zone for both the types of waves.
2. The entire zone beyond 105° does not receive P-waves.
3. The shadow zone of P-waves is much larger than that of S-waves.

Which of the statements given above is/are correct?

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

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31. Consider the following micro-organisms:

1. Bacteria
2. Fungi
3. Protozoans
4. Virus

Which of the above micro-organisms contribute in soil development?

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

32. With reference to clouds, which of the following statements is correct?

- (a) Cirrus clouds are associated with rain-bearing clouds.
- (b) Nimbo-stratus clouds create darkness because sun light is obstructed due to its high thickness.
- (c) Rainfall in the temperate cyclones is generally caused by Nimbo-stratus clouds.
- (d) Rainfall in the tropical cyclones is generally caused by Cumulo-nimbus clouds.

33. With reference to landform development during different stages of a stream, consider the following statements:

1. V-shaped valleys and waterfalls are observed in the youth stage.
2. In the mature stage, most of landscape is at sea level.
3. Waterfalls and rapids begin to disappear only in the old stage.

Select the correct answer using the codes below:

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

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34. Which of the following conditions is/are favourable for the formation of deltas?

1. Active erosion in the upper course of river to provide sediments for deposition.
2. There should be strong current running at right angles to the river mouth.
3. The coast should be sheltered, preferably tideless.

Select the correct answer using codes given below:

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

35. Consider the following statements regarding Fold mountains:

1. Fold mountains are also called as Mountains of accumulation.
2. The upfolded waves of fold mountains are called synclines and are convex in shape.
3. Overriding portion of the thrust fold is termed a 'nappe'.

Which of the statements given above is /are correct?

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

36. With reference to soil erosion, consider the following statements:

1. Gully erosion takes place on level lands after a heavy shower.
2. Sheet erosion is commonly observed on steep slopes.

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

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37. Consider the following statements:

1. During the El-Nino year the eastern pacific waters are warmer than normal years.
2. During the La - Nina year the western pacific waters are generally colder than usual.

Which of the above statements is/are correct?

- (a) Only 1
- (b) Only 2
- (c) Both
- (d) None

38. Cold currents bring cold water into warm water areas. These currents are usually found on the-

1. West coast of the continents in the low and middle latitudes in both hemispheres.
2. East coasts in the higher latitudes in the Northern Hemisphere.

Which of the above is/are correct?

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

39. Which of the following climate type does not enjoy rainfall all-round the year?

- (a) Steppe type
- (b) China type
- (c) Laurentian type
- (d) British type

40. Which of the following ocean currents form the boundary of the Sargasso Sea?

1. Gulf stream
2. Canaries current
3. North Atlantic equatorial current
4. Labrador current
5. California current

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Select the correct answer using the code given below:

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

Correct Answer: B

Explanation:

The Sargasso Sea is a region in the gyre in the middle of the North Atlantic Ocean. It is bounded on the west by the Gulf Stream; on the north, by the North Atlantic drift; on the east, by the Canary current; and on the south, by the North Atlantic Equatorial Current.

41. With reference to India's peninsular bloc, consider the following statements:

1. The Peninsular is formed essentially by a great complex of very ancient gneisses and granite rocks.
2. The Thar desert in Rajasthan is also an extension of the Peninsular block.
3. A major part of the west coast emerged from the ocean in the past.

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

42. "South of the tropical grasslands of Southern Brazil lies the region of temperate grasslands. This region has a warm climate with rain all through the year, although it rains more in summers than in winter. These grasslands are found in central Argentina."

Which of the following region is described in the above passage?

- (a) Selvas
- (b) Campos
- (c) Gran Chaco
- (d) Pampas

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43. With reference to characteristics of natural vegetation in India, consider the following statements:

1. Trees are found in the warm and humid areas.
2. The mean annual temperature is above 22°C.
3. Annual rainfall is above 200 cm.
4. Rosewood, ebony and Mahogany are important species found.

Which of the following forests is best characterized by the features given above?

- (a) Tropical Moist Deciduous forests
- (b) Tropical Semi-Evergreen forests
- (c) Tropical Evergreen forests
- (d) Tropical Dry Deciduous forests

44. Which of the following characteristics correctly define footloose industries?

1. They can be located in wide variety of places.
2. They primarily depend on specific raw material.
3. These are generally a non-polluting industry.
4. They generally employ small labour force.

Select the correct answer using the code given below:

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

45. Match the following lists:

- | List I | List II |
|------------|---|
| A. Chos | 1. Lacustrine deposits in the valley of Kashmir. |
| B. Karewas | 2. Small streams along Himalayan foothills in Punjab. |
| C. Bhurs | 3. Terai regions of Bengal |
| D. Duars | 4. Sand deposits in parts of Upper Ganga. |

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Select the correct answer using the code given below:

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

46. With reference to the relation between longitude and time, consider the following statements:

1. Every 15 degrees we go eastward, local time is retarded by 1 hour.
2. Every 15 degrees we go westward, local time is advanced by 1 hour.
3. Places east of the Greenwich have time ahead of that of Greenwich.
4. Places west of the Greenwich have time behind of that of Greenwich.

Which of the statements given above is/are correct?

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

47. Match the India's mountain passes with their location in the respective states:

- | Pass | : | State |
|---------------|---|----------------------|
| 1. Nathu La | : | (A) Uttarakhand |
| 2. Lipulekh | : | (B) J & K |
| 3. Rohtang La | : | (C) Sikkim |
| 4. Zoji La | : | (D) Himachal Pradesh |

Select the correct answer using the code given below:

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

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48. Consider the following pairs of 'Type of Climate' and 'Area Associated':

1. Semi-arid steppe climate: North-Western Gujarat
2. Cold humid winter with short summer: Arunachal Pradesh
3. Monsoon with dry summer: Coromandel Coast of Tamil Nadu

Which of the above pairs is/are correctly matched?

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

49. Consider the following climate types and their characterization:

1. Mediterranean climate: Warm summers and cold winters with three months below freezing.
2. Marine west coast: Very large annual temperature range.

Which of the above is/are correct matches?

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

50. What is the correct sequence of occurrence of following mountains ranges of south India as one proceeds from North and South?

1. Palkonda Hills
2. Shevaroy Hills
3. Javadi Hills
4. Palani Hills

Select the correct answer using the code given below:

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

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51. Consider the following statements with respect to Northern Plains:

1. The largest part of the northern plain is formed of new alluvium called khadar.
2. The Khadar is not suitable for intensive agriculture.
3. The river streams disappear in the Bhangar belt and re-emerge in the terai region.

Which of the statements given above is/are NOT correct?

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

52. Consider the following statements:

1. India lies in the region of north-easterly winds.
2. North-easterly winds originate from the subtropical high-pressure belt of the northern hemisphere.
3. North-easterly winds are known as doldrums.

Which of the above statements is/are correct?

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

53. Which of the following methods are used for conservation of soil?

1. Mulching
2. Contour Barriers
3. Rock Dam
4. Inter Cropping
5. Shelter Belt
6. Terrace farming

Select the correct answer using the code given below:

- (a) 1, 2, 3 and 4 only (b) 2, 3 and 4 only (c) 1, 5 and 6 only (d) 1, 2, 3, 4, 5 and 6

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54. What is the correct sequence of occurrence of the following passes as one proceeds from east to west?

1. Bum La
2. Diphu Pass
3. Khardung La
4. Nathu La

Select the correct answer using the code given below:

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

55. Earthquakes are most prone to occur in areas where-

1. There are active volcanoes
2. There are large reservoirs
3. There are tectonic fault planes

Choose the correct answer using the codes below:

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

56. With reference to the drainage patterns, consider the following statements:

1. Trellis pattern develops where hard and soft rocks exist parallel to each other.
2. When rocks are strongly joined, then rectangular pattern develops.
3. When the river channel follows the slope of the terrain, it develops dendritic pattern.

Which of the statements given above is/are correct?

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

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57. With reference to superimposed drainage system, consider the following statements:

1. It is a drainage system which exhibits discordance with the underlying rock structure.
2. This type of drainage is a characteristic feature of Peninsular Rivers.

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

58. Which of the following factors can explain the differences between the nature of terrestrial (earth like) and jovian (gas giants) planets?

1. The terrestrial planets were formed in the close vicinity of the parent star where it was too warm for gases to condense to solid particles.
2. The solar wind was most intense nearer the sun; so, it blew off lots of gas and dust from the terrestrial planets.
3. The terrestrial planets are smaller and their lower gravity could not hold the escaping gases.

Choose the correct answer using the codes below:

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

59. If you are traveling from South to North in peninsular India, which of the following denotes the correct sequence in which you will visit the hills?

- (a) Cardamom - Anaimalai - Nilgiri - Javadi
- (b) Anaimalai - Cardamom - Nilgiri - Javadi
- (c) Cardamom - Nilgiri - Anaimalai - Javadi
- (d) Cardamom - Nilgiri - Javadi - Anaimalai

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60. Which of the following places in India houses both Mangroves and Tropical Evergreen forests?

1. Andaman and Nicobar Islands
2. Sunderbans
3. Bhitarkanika
4. Pichavaram
5. Gulf of Kutchh

Select the correct answer using the codes below:

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

61. Consider the following pairs:

1. Nainital : Shiwaliks
2. Mt. Abu : Aravalis
3. Ooty : Nilgiri Hills

Which of the pairs given above is/are correctly matched?

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

62. Consider the following statements about the Earth's Revolution around the Sun:

1. The seasons arise from the Earth's revolution around the Sun and the tilt of the Earth's axis.
2. At the winter solstice, the northern hemisphere is tilted toward the Sun.
3. On the day of equinox, day and night are of equal length everywhere on the globe.

Select the correct answer using the code given below:

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

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63. Consider the following statements regarding Glacial Landforms:

1. Erosion by glaciers is tremendous because as glacier moves it becomes water, moving fast and taking lot of rocks with it.
2. Tarn lakes are the lakes seen after the glacier disappears.
3. Moraines are smooth oval shaped mound like features composed of glacial till.

Select the INCORRECT statement(s) using the codes given below:

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

64. With reference to planetary winds, consider the following statements:

1. Doldrum is a regular feature all along the equator.
2. Trade winds are stronger in the winter than the summer.
3. Westerlies are less effective during summer season.

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

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

- (a) Shifting cultivation
- (b) Intensive Mixed farming
- (c) Traditional commercial Livestock Rearing
- (d) Nomadic Herding based on indigenous traditions

66. Which of the following statements is/are true about meanders?

1. Meanders are formed when load carrying capacity of the river increases drastically.
2. Ox-bow lakes are the result of meandering rivers.
3. Its concave bank is known as cut-off bank and convex as slip-off bank.

Select the correct statements using following codes:

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 3 only
- (d) None of them are true

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67. Which of the following pairs is/are correctly matched?

1. Deltas: They are formed when load carrying capacity of river gets reduced to a great extent.
2. Point Bars: They are formed by sediments deposited in a linear fashion found on the convex side of meanders of large rivers.
3. Alluvial fans: They are formed when streams flowing from higher levels break into foot slope plains of low gradient.

Select the correct statements using following codes:

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

68. Consider the following major discontinuities of Earth:

1. Conrad : Outer and Inner Crust
2. Mohorovicic : Crust and mantle
3. Gutenberg : Outer and Inner Mantle
4. Lehmann : Mantle and Core

Which of the pairs given above is/are correctly matched?

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

69. The Coral reefs are diverse underwater ecosystems held together by calcium carbonate structures secreted by corals. Which among the following conditions are responsible for the growth of coral reefs?

1. Relatively warm tropical oceans with minimum 20°C temperature
2. Ocean water with plenty of sedimentation
3. Relatively high salinity in ocean water

Select the correct answer using the codes below:

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

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70. Which among the following is alternatively referred to as Laurentian Climate?

- (a) Cool Temperate Continental Climate
- (b) Warm Temperate Eastern Margin Climate
- (c) Cool Temperate Eastern Margin Climate
- (d) Cool Temperate Western Margin Climate

71. Which among the following sets of pair is/are correctly matched?

- 1. Typhoons: China sea
- 2. Tornadoes: Islands of West-Indies
- 3. Tropical Cyclones: Indian Oceans

Select the correct answer using the codes given below:

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

72. Consider the following statements about a particular type of soil:

- 1. Such soils are more common in piedmont plains such as Duars, Chos and Terai.
- 2. According to their age, they can be classified as Bangar and Khadar.
- 3. These soils extend in Rajasthan and Gujarat through a narrow corridor.
- 4. It can be found in the eastern coastal plains particularly in the deltas of the Mahanadi and Godavari.

The above statements refer/refers to?

- (a) Red and Yellow Soil
- (b) Alluvial Soil
- (c) Black Soil
- (d) Laterite Soil

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73. Consider the following statements:

1. India is separated from Sri Lanka by Gulf of Mannar.
2. India and Bhutan are connected through Bomdi La Pass.
3. Nepal shares its longest land frontier with India.

Select the correct statements using the codes given below:

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

74. A high 'demographic gap' will result in which of the following scenarios?

- (a) Very low sex ratio
- (b) Majority of adult population in the region
- (c) Population explosion
- (d) All of the above

75. Which among the following statements is incorrectly stated?

- (a) Sirocco is a hot, dry dusty wind coming from Sahara Desert
- (b) Mistral is a cold wind from the north rushing down towards Europe
- (c) Berg Wind is hot dry wind is south eastern Africa
- (d) Harmattan are cold winds blowing in winters in Brazil

76. Which of the following pairs is/are correctly matched?

Soil conservation method –	Description
1. Minimum tillage farming:	ploughing only to that depth which is needed for quick seed germination
2. No-till farming:	ploughing only along edges of croplands
3. Mulching:	covering the surface area of soil by an organic matter

Select the correct answer using the codes given below:

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

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77. Consider the following statements:

1. Ganga comes into existence when Alaknanda confluences with Bhagirathi at Devprayag.
2. Gomati and Ghaghara are the right bank tributaries of Ganga.

Select the correct statement(s) using the codes given below:

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

78. The model of demographic transition helps us to understand the relationship between:

- (a) Social changes and patterns of population growth
- (b) Historical patterns of development between fertile and non-fertile regions.
- (c) Patterns of population growth and economic development
- (d) History of migration and geographical reasons for the same

79. Why tank irrigation is more practiced in South India as compared to other forms of irrigation like canal and wells?

1. It is difficult to dig canals and wells due to undulating relief and hard rock structure.
2. Low percolation of rain water due to hard rock structure.
3. Many rivers of South India are seasonal in nature.
4. Population and agricultural fields are scattered which makes canal irrigation economically unviable.

Select the correct answer using the codes below:

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

80. Which of the following pairs are correctly matched?

Region:	Vegetation
1. Western Himalayas:	Broad leaved temperate trees
2. Eastern Himalayas:	Rhododendrons
3. Barak Valley:	Evergreen forests

Select the correct answer using the code given below:

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

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81. Which of the following is true about Himalayan rivers?

1. Himalayan rivers are antecedent ones.
2. These are in their old stage.
3. Their sources of water are in glaciers only.

Select the correct answer using the codes below:

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

82. Which of the following is/are correctly matched?

Passage : Separates

1. Duncan Passage : Lakshadweep & Maldives
2. 8 degree channel : Andaman & Nicobar
3. 10 degree channel : South Andaman & Little Andaman
4. Great Channel : Indonesia & Nicobar

Select the correct answer from the codes given below:

- (a) 1, 2, 3 and 4
- (b) 2 and 3 only
- (c) 4 only
- (d) None are correctly matched

83. Consider the following mountain ranges:

1. Ajanta Range
2. Vindhya Range
3. Sahyadri Range
4. Satpura Range

What is the correct sequence of the above mountain ranges from North to South?

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

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84. Which among the following ocean currents flow in the Atlantic Ocean?

1. Labrador Current
2. Agulhas Current
3. Benguela Current
4. Humboldt Current

Select the correct answer using the codes given below:

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

85. Proportion of literate population of a country known as *literacy* is an indicator of its socio-economic development. Literacy in India will necessarily increase if:

- (a) Total years of schooling for the entire population increases
- (b) Sanitation and health facilities are improved
- (c) Economic growth rate is high
- (d) More children pass the primary school in the country

86. Identify the crop having the following features:

1. It is a tropical as well as subtropical crop.
2. It grows well in a region with temperature of 21°C to 27°C and an annual rainfall between 75cm - 100cm.
3. It's cultivation is highly laborious.

Select the correct answer using the codes given below:

- (a) Jute (b) Barley (c) Rice (d) Sugarcane

87. Which of the following statements regarding "protostar" is correct?

- (a) These are stars which came into being by breaking of tonnes of matter out of the sun caused by a passing star.
- (b) These are hot and slowly moving magnetic fields which lead to formation of stars.
- (c) These are clouds of dust and gas spiralled together by the force of gravity
- (d) These are stars which came into being by breaking of the planets.

88. Consider the following pairs related to the Sea Ports in India:

1. Vishakhapatnam Port:A landlocked harbour
2. Mormugao Port:Known as 'Queen of the Arabian Sea'
3. Kochi Port: Located on the head of Vembanad Kayal

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Which of the above is/are correctly matched?

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

89. Which of the following statements is/are correct in the context of occurrence of coal in India?

1. About 80% of the coal deposits in India are of bituminous type and is of coking grade.
2. Jharia is the largest coal field in India, followed by Raniganj.
3. The river valleys associated with coal are Godavari, Mahanadi and Son.

Select the correct answer using the codes given below:

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

90. Which among the following get affected by the temperature?

1. Moisture carrying capacity of the air
2. Degree of stability of the atmosphere
3. Cloud formation and precipitation

Select the correct answer using the codes given below:

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

91. Which of the following statements are correct regarding occupation structure of a population?

1. Developed countries have bulk of working population in secondary and tertiary sector.
2. Developing and underdeveloped countries have bulk of their working population in primary and quaternary sector.

Consider the correct code from following options:

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

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92. Which of the following are considered as extensions of Peninsular Block?

1. Karbi-Anglong plateau
2. Meghalaya Plateau
3. Aravalli Hills
4. Patkai Bum

Select the correct answer using the code given below:

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

93. Match the following List-I with List-II:

List-I (Tributaries)

List-II (Parent rivers)

- | | |
|-------------|-------------|
| 1. Pranhita | A. Yamuna |
| 2. Koyna | B. Son |
| 3. Betwa | C. Krishna |
| 4. Rihand | D. Godavari |

Select the correct answer using the codes below:

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

94. As we go up in the mountains, we find it difficult to breathe. Which of the following is the reason behind this?

- (a) With decrease in temperature, air becomes denser at higher latitudes.
- (b) The air becomes thinner at higher altitudes.
- (c) The air pressure is low at higher altitudes.
- (d) Both (b)- and (c)

95. Consider the following statements:

1. Kashmir valley lies between Great Himalayas and Ladakh range.
2. Jhelum river flows through Kashmir valley.
3. Tso Moriri and Pangong Tso are salt-water lakes found in Ladakh.

Which of the statements given above is/are correct?

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

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96. Which of the following are the 'push factors' of Migration?

1. Poor living conditions
2. Political turmoil
3. Better job opportunities
4. Epidemics

Select the correct answer using the code given below:

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

97. Consider the following matches of minerals with their deposits in India:

1. Mica: Jharkhand
2. Copper: Andhra Pradesh
3. Gold: Karnataka

Select the correct answer using the codes below:

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

98. Consider the following statements:

1. It is India's largest inland saltwater lake.
2. It is geographically a landlocked river basin.
3. It has been designated as a Ramsar site.

The above description refers to:

- (a) Bhimtal Lake
(b) Bhitarkanika Lake
(c) Sambhar Lake
(d) Shakambari Lake

99. With respect to maximum absolute area under forest arrange the following states in descending order:

1. Maharashtra
2. Chhattisgarh
3. Arunachal Pradesh
4. Odisha
5. Madhya Pradesh

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

100. Mangrove Forests in India are found in which of the following states:

1. Gujarat
2. Arunachal Pradesh
3. Tamil Nadu
4. Andaman & Nicobar Islands
5. Mizoram
6. Andhra Pradesh

- (a) 12345 only (b) 234 only (c) 1345 only (d) 1346 only