

INSTRUCTIONS

1. This Test Booklet contains 50 items (Questions). Each item is printed in English. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response with you consider the best. In any case, choose **ONLY ONE** response for each item.
2. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See direction in the answers sheet.
3. All items carry equal marks. Attempt all items. Your total marks will depend only on the number of correct responses marked by you in the answer sheet. **For every incorrect response 1/3rd of the allotted marks will be deducted.**

SWAPNIL'S
IAS

From Dream to Reality

1. Consider the following statements:

1. The Deccan plateau gets low rainfall due to the rain shadow effect of Western ghats.
2. Alignment of Aravalis is one of the reasons for less rainfall in Rajasthan.

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

2. Consider the following statements regarding the Himalayas:

1. Himalayas are structurally fold mountain ranges running in a west-east direction.
2. Generally, the width of the Himalayas increases as one moves from west to east.
3. The altitudinal variations are greater in the eastern half than those in the western half.

How many of the statements given above are correct?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

3. Which of the following islands is the largest of the Lakshadweep islands?

- (a) Andrott Island
- (b) Agatti Island
- (c) Kavaratti Island
- (d) Minicoy Island

4. Which of the following statements is/are correct regarding the Indian Ocean Dipole (IOD)?

1. It refers to the difference in sea surface temperature between a western pole in the Arabian Sea and an eastern pole in the Bay of Bengal.
2. During the positive phase of IOD, cooler-than-normal sea surface conditions occur in the Arabian Sea.

3. A negative IOD index can negate the effect of ENSO, resulting in increased monsoon rains.

Select the correct answer using the code given below.

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

5. Consider the following statements with reference to a river:

1. It originates in the 'Raksas tal' near Mansarovar lake in Tibet.
2. It is an antecedent river.
3. It passes through the Shipki La pass.

Which one of the following rivers has been described by the above-given characteristics?

- (a) Indus
- (b) Satluj
- (c) Beas
- (d) Ravi

6. With reference to Andaman and Nicobar Islands, consider the following statements:

1. Ritchie's Archipelago belongs to the Andaman group of islands.
2. Narcondam Island is the only oceanic island of volcanic origin in India.
3. Landfall Island is the northernmost island of the Andaman and Nicobar Islands.

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

7. Red and Yellow soils are widely prevalent in the Deccan Plateau. With reference to these soils, consider the following statements:

1. They develop on crystalline igneous rocks in areas of low rainfall.

2. The reddish color of the soil is due to the diffusion of Iron.

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

8. With reference to the Indus river, consider the following statements:

- 1. It originates from a glacier in the Kailash Mountain range.
- 2. The Satluj is the largest tributary of the Indus.
- 3. The Indus flows in India only through the Union Territory of Jammu and Kashmir.

Which of the statements given above is/are correct?

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

9. With reference to the formation of the rock system, arrange the following rock system in chronological order:

- 1. Cuddapah rock system
- 2. Dravidian rock system
- 3. Dharwar rock system
- 4. Gondwana rock system

Select the correct answer using the code given below.

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

10. Consider the following statements regarding the Himalayan and Peninsular rivers:

- 1. The peninsular rivers exhibit greater meandering tendencies and shift their course more frequently than the Himalayan rivers.

2. Himalayan rivers form a dendritic pattern in plains while peninsular rivers form trellis, radial and rectangular patterns.

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

11. In the context of the Indian monsoon, consider the following statements:

- 1. The monsoon rainfall has a declining trend with decreasing distance from the sea.
- 2. The variability of rainfall is among the highest in the northern part of Jammu and Kashmir.

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

12. Consider the following statements regarding the Andaman and Nicobar Islands:

- 1. Andaman Islands and Nicobar Islands are separated by the Ten-degree channel.
- 2. These islands are an elevated portion of submarine mountains.
- 3. The Andaman and Nicobar Islands lie in the South-east direction to the mainland of India.

How many of the above statements are correct?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

13. Consider the following statements regarding the drainage patterns:

- 1. The tributaries of a dendritic drainage pattern join the main stream at nearly right angles.

2. A radial pattern is found in areas with a central uplift and outward-flowing streams.
3. Trellis pattern develops where hard and soft rocks exist parallel to each other.

How many statements given above are **not** correct?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

14. Consider the following statements regarding tropical cyclones:

1. In the Arabian Sea, most of the storms do not sustain due to high divergence created by the EL Niño Modoki.
2. When a pair of tropical cyclones form on each side of the equator, they are called as hybrid cyclones.
3. The Madden-Julian Oscillation can influence tropical cyclone numbers and strengths in nearly all ocean basins.

Which of the statements given above is/are correct?

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

15. With reference to Western Disturbances, consider the following statements:

1. More than seventy-five percent of annual precipitation over the North-West Indian region is associated with Western Disturbances.
2. It may lead to dense or very dense fog events.
3. Precipitation from the western disturbances is very vital for the Rabi Crop over northwest India.

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

16. Consider the following statements regarding Southern Oscillation in El Niño and Southern Oscillation (ENSO):

1. Its strength is measured in the Southern Oscillation Index (SOI) which is computed from the fluctuations in air pressure differences between Tahiti and Darwin.
2. El Niño episodes are associated with negative values of the SOI, meaning that the pressure at Tahiti is relatively low compared to Darwin.
3. When the Walker circulation enters its El Niño phase, the SOI is strongly negative.

How many statements given above are correct?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

17. The drainage pattern of an area depends upon which of the following factors:

1. geological time period
2. structure of rocks
3. amount of water flowing
4. periodicity of the flow

Select the correct answer using the code given below.

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

18. With reference to the tributaries of Ganga, consider the following statements:

1. Both Alaknanda and Bhagirathi originate from Satopanth glacier.
 2. Kali Ganga joins Alaknanda at Karna Prayag.
 3. Son is the longest left bank tributary of Ganga
- 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 of the above

19. With reference to drainage patterns occurring in India, consider the following statements:

1. Son and Narmada rivers follow the radial drainage pattern.
2. Ganga and Brahmaputra rivers follow a trellis drainage pattern.
3. Manipur river draining into Loktak Lake follows the centripetal pattern of drainage.

Which of the statements given above are correct?

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

20. 'Shompen tribes' recently seen in news are from which state/UT?

- (a) Arunachal Pradesh
- (b) Assam
- (c) Lakshadweep
- (d) Andaman and Nicobar Islands

21. With reference to the Indian Ocean Dipole (IOD), consider the following statements:

1. It is characterized by differences in sea surface temperatures (SSTs) between the western and eastern Indian Ocean.
2. Negative IOD can lead to increased rainfall and atmospheric convection over the eastern Indian Ocean, Indonesia, and northern Australia.

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

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

22. The general elevation ranges between 700-1,000 m above the mean sea level and it slopes towards the north and northeastern directions. Most of the tributaries of the river Yamuna have their origin in this region. An eastern extension is formed by the Rajmahal hills, to the south of which lies a large reserve of mineral resources in

the Chotanagpur plateau. In the West, its extension can be seen as far as Jaisalmer.

Which of the following is best described in the passage given above?

- (a) Deccan Plateau
- (b) Central Highlands
- (c) Maikal ranges
- (d) The Eastern Ghats

23. Why the majority of peninsular rivers fall into Bay of Bengal?

- (a) Submergence of western part of Peninsular in Arabian sea during the early Tertiary period.
- (b) Presence of Satpura in the northern part of Peninsular block.
- (c) Presence of igneous rocks.
- (d) Collision of Indian plate with the Eurasian plate created a trough faulting in the Peninsular block.

24. Consider the following regions:

1. Western Ghats
2. Andaman and Nicobar Islands
3. North-East India
4. Terai regions

In how many of the above-mentioned regions Myristica swamps are found?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

25. Which of the following statements is correct regarding the season of retreating monsoon in India?

- (a) The monsoon retreats from the western Rajasthan by the first week of August.
- (b) The widespread rain in this season is associated with the passage of cyclonic depressions which originate over the Andaman Sea.

- (c) The retreating southwest monsoon season is marked by dark clouds and rise in temperature.
 (d) The weather in the retreating monsoon is dry in the eastern part of the Peninsula.

26. Consider the following pairs regarding the regional division of Indian Himalayas:

Region between	Name
1. Indus and Satluj rivers :	Punjab Himalayas
2. Satluj and Kali rivers :	Kumaon Himalayas
3. Teesta and Dibang rivers :	Assam Himalayas

How many pairs given above are correctly matched?

- (a) Only one
 (b) Only two
 (c) All three
 (d) None

27. Which of the following separates Andaman group of islands and Nicobar group of islands?

- (a) Duncan passage
 (b) Six Degree Channel
 (c) Nine Degree Channel
 (d) Ten Degree Channel

28. Arrange the following coasts of the western coastal plains from north to south.

1. Kathiawar coast
 2. Konkan coast
 3. Kachchh coast
 4. Malabar coast

Select the correct answer using the code given below.

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

29. Consider the following statements regarding the climatic regions of India according to Koeppen's Scheme:

1. Coromandel coast of Tamil Nadu has monsoon with dry winter.
 2. The west coast of India south of Goa has monsoon with a short dry season.
 3. Extreme western Rajasthan has a semiarid steppe climate.

Which of the statements given above is/are correct?

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

30. With reference to the Vindhyan system, consider the following statements:

1. It comprises ancient sedimentary rocks superimposed on the Archean base.
 2. It is devoid of metalliferous minerals.

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

31. Arrange the following states/UTs of India in descending order as per the length of their coastline:

1. Andhra Pradesh
 2. Maharashtra
 3. Andaman & Nicobar Islands
 4. Gujarat

Select the correct answer using the code given below.

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

32. Consider the following statements regarding the Triple-Dip La Niña phenomenon:

1. It refers to a decrease of three times the level of normal temperature of water in the Eastern Pacific Ocean.

2. Its cooling influence is temporarily slowing the rise in global temperatures.
3. It negatively affects the Indian monsoon and intensifies droughts in India.

Which of the statements given above is/are correct?

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

33. Which of the following is the correct sequence of the following tributaries of Ganga from west to east?

- (a) Gomati-Ghaghara-Gandak-Kosi
(b) Ghaghara-Gomati-Gandak-Kosi
(c) Gomati-Gandak-Kosi-Ghaghara
(d) Gandak-Gomati-Ghaghara-Kosi

34. Consider the following statement with respect to Indian Plate:

1. Eurasian plate has been sinking below the Indian Plate to form the Himalayas.
2. Deccan traps were formed due to volcanic eruptions after the Himalayan mountain building was started.
3. Indian plate boundaries include both convergent and divergent boundaries.

Which of the statements given above is/are correct?

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

35. Which of the following conditions increases the rainfall during the Southwest Monsoon?

1. Positive Indian Ocean Dipole
2. La Niña Condition in Pacific Ocean
3. Intense heating of Tibetan Plateau

Select the correct answer using the code given below.

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

36. Consider the following mountain ranges:

1. Dhauladhar range
2. Naga Tibba range
3. Pir Panjal range
4. Kailash range

How many of the above mountain ranges are part of the Middle Himalayas?

- (a) Only one
(b) Only two
(c) Only three
(d) All four

37. Which of the following geological events has shaped the present drainage system of peninsular India?

1. Submergence of the western flank of the peninsula.
2. Upheavals of the Himalayas.
3. Slight tilting of the Peninsular block from northwest to the southeastern direction.

Select the correct answer using the code given below.

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

38. Consider the following statements with reference to the drainage system in India:

1. Rivers of peninsular India are mostly antecedent rivers.
2. Tributaries of peninsular rivers in India are formed predominantly due to river capturing.
3. Trellis and Radial patterns of rivers are mostly found in the Himalayan river system.

How many of the statements given above are correct?

- (a) Only one

- (b) Only two
- (c) All three
- (d) None

39. Syntaxial bend is associated with which of the following geographical features in India?

- (a) Northern plains
- (b) Himalayas
- (c) Deccan Plateau
- (d) Central highlands

40. Consider the following pairs:

Important places	Associated Mountains	Himalayan
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- | | | |
|-------------------|-----------------------|--|
| 1. Kedarnath : | Kashmir Himalayas | |
| 2. Mussoorie : | Uttarakhand Himalayas | |
| 3. Dal Lake : | Darjiling Himalayas | |
| 4. Namcha Barwa : | Arunachal Himalayas | |

How many of the above pairs are correctly matched?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

41. With reference to the tropical moist deciduous forests, consider the following statements:

1. These are the most widespread forests in India spread over regions that receive rainfall between 70-100 cm.
2. These forests can be found in the Andaman Islands, the western slopes of the Western Ghats, and the foothills of the Himalayas in the northeastern region.
3. Sandalwood, mahua, and sal are some of the species found here.

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

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

42. Consider the following peninsular rivers:

1. Subarnarekha
2. Sharavati
3. Brahmani

Which of the rivers given above flow from east to west?

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

43. Consider the following islands:

1. Amini
2. Kalpeni
3. Andrott
4. Barren
5. Kavaratti
6. Shaheed dweep
7. Agatti

How many of the above islands are part of the Lakshadweep group of islands?

- (a) Only four
- (b) Only five
- (c) Only six
- (d) All seven

44. Starting from the Himalayas, arrange the following belts of the alluvial plains from north to south.

1. Bhabar
2. Bhangar
3. Terai
4. Khadar

Select the correct answer using the code given below.

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

45. Which of the following is the reason for earthquakes in Central-western parts of India, particularly Gujarat and Maharashtra?

- (a) Since the peninsular block is older, its rocks are weaker and fracture easily.
- (b) Thrusting of Indian plate under Eurasian plate causes these aftershocks.
- (c) Deccan trap is an unstable landmass and a tectonically active region.
- (d) None of the above

46. Consider the following statements regarding Himalayas:

- 1. Lesser Himalaya are mainly composed of unconsolidated sediments
- 2. Great Himalayas are asymmetrical in nature and is composed of granite.
- 3. Shiwaliks are outer-most range of the Himalayas composed of highly compressed and altered rocks.

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

47. Even after the retreat of the Southwest monsoon from the Indian subcontinent, Kerala and Uttarakhand tend to receive heavy rainfall. Which of the following is/are the reasons for this increased rainfall?

- 1. A high-pressure system in the Arabian Sea causes rainfall in Kerala.
- 2. Western disturbances cause rainfall in Uttarakhand.
- 3. Warm and strong winds from the Bay of Bengal cause rainfall in Uttarakhand.

Select the correct answer using the code given below.

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

(d) 2 and 3 only

48. Which of the following statements is *not* correct regarding the plains?

- (a) They are extensive flat areas characterized by low relief, with minimal variation in elevation.
- (b) Structural plain are located in the interior of continents and are characterized by the absence of tectonic activities.
- (c) Coastal plains are also called pediplains.
- (d) Alluvial plains are created by the deposition of fertile sediments.

49. The Horn of Africa experiences increased rainfall during which of the following weather phenomena?

- 1. El Nino
- 2. La Nina
- 3. Positive Indian Ocean Dipole
- 4. Negative Indian Ocean Dipole

Select the correct answer using the code given below.

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

50. Consider the following statements regarding La Niña:

- 1. During La Niña, trade winds are even stronger than usual, pushing more warm water toward Asia.
- 2. La Niña causes drought-like conditions in the Indian sub-continent.

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