

# 'SAMADHAN' Prelims Test SERIES 2024

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T.B.C. : BKL-F-GHP

## ASPIRE IAS TEST BOOKLET GENERAL STUDIES

Test Booklet Series

Test No. – 7

**A**

Paper—I

Time Allowed : Two Hours

GEOGRAPHY Composite- 2

Maximum Marks : 200

### INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. *DO NOT* write anything else on the Test Booklet.
4. This Test Booklet contains 100 items (questions). Each item is printed both in **Hindi** and **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, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. **All** items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator *only the Answer Sheet*. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. **Penalty for wrong answers :**  
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
  - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.
  - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
  - (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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# Aspire IAS

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**1:In the context Of Indian geographical extent,consider the following statement**

- 1.Siala,Bilafondla,and Gyongla are the 3 main passes of the saltro ridge of Siachen Glacier
- 2.Indian standard Meridian passes through Uttar pradesh,madhya pradesh,Chhattisgarh ,jharkhand and odisha
- 3.The are to the north of Tropic of Cancer is nearly Twice the area which lies to the south of it

**Which of the following statement is/are correct?**

- A:Only one statement is correct
- B:Two statements are correct
- C:Three statements are correct
- D:None of the statement is correct

**2:From which of the following city in India the tropic of cancer is passing**

- 1.Udaipur (Rajasthan)
- 2.Jasdan (Gujrat)
- 3.Shajapur(Madhya pradesh)
- 4.Krishnanagar(West bengal)
- 5.Champhai(Mizoram)

**Choose the following options given below**

- A:1,2,3,4,5
- B:2,3,4,5,
- C:3,4,5
- D:4,5

**3:In the context of Coastal plains of India, consider the following statement**

- 1.Utkal coast is Extending between the Chilika Lake and Kolleru Lake, which are much narrow than the western coastal plains and undergo immense rainfall.
- 2.Andhra coast which is Extending between the Kolleru Lake and Pulicat Lake and this coast forms a basin area for the Krishna and the Godavari rivers.
- 3.The Coromandel coast extends between Pulicat Lake and Kanyakumari in Tamil Nadu and This coastline remains wet in summer and receives rainfall during the winter due to the north-east monsoons.

4.Kanada coast extends between Marmagaon and Mangalore and is not rich in iron deposits.  
**Which of the following statement is/are correct?**

- A:Only one statement is correct
- B:Two statements are correct
- C:Three statements are correct
- D:All four statements are correct

**4:Consider the following statement**

- 1.The length of the coastline of West bengal is more while compare to the length of the coastline of Goa
- 2.The length of the coastline of Odisha is less while compare to the length of the coastline of Kerala
- 3.The length of the border of Myanmar with India is more while compare to the length of the border of Nepal

**Which of the following statement is/are correct?**

- A:Only one statement is correct
- B:Two statements are correct
- C:Three statements are correct
- D:None of the statement is correct

**5:In the context of Indian Frontiers, consider the following statement**

- 1.Only four Indian state share the border with the china
- 2.Talu pass is the trijunction of India,Tibet and China
- 3.India share more boundary with china on eastern side while compare to the western side
- 4.Johnson line is in the western sector of India while Mc Mohan line is the eastern side while sharing border with china

**Which of the following statement is/are correct?**

- A:Only one statement is correct
- B:Two statements are correct
- C:Three statements are correct
- D:All four statements are correct

**6:Consider the following statement**

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1. A major portion of the Indo-Nepalese border runs in the east-west direction almost along the foothill of the Shiwalik Range.
2. Susta is located on the bank of the Kali river which demarcates the border between India and Nepal.
3. Kori Creek is tidal creek in the kutch region of Gujrat which lies west of the great rann of kutch areas
4. Six Indian state share the border with the bangladesh

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: All four statements are correct

**7: Consider the following statement ,In the context of Indian rock system**

1. Aggradational formation of the Indo-Gangetic plain happen during the Pleistocene period.
2. In the Archaean era earliest phase of tectonic evolution was marked by the cooling and solidification of the upper crust of the earth's surface
3. Gondwana coal is much younger than the Carboniferous coal and hence it's carbon content is low

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**8: The rock period was the beginning of coal formation ((high-Quality Carboniferous coal) but these formations were not found abundantly in India ,It marks the beginning of life on the earth's surface. The rocks of this is the period saw plenty of fossil evidences. These are seen in all geological formations from this period.**

**They also indicated marine conditions in these rocks in India.**

**Which of the following rock system the above statement is talking about ?**

- A: Purana rock system
- B: Archaean rock system
- C: Dharwar rock system
- D: Dravidian rock system

**9: In the context of Himalayas formation, consider the following statement**

1. The Himalayan mountain range and Tibetan plateau have formed as a result of the collision between the Indian Plate and Eurasian Plate
2. Tibetan plateau was formed due to upthrusting of the southern block of the Eurasian Plate.
3. The Indo-Gangetic plain was formed due to the consolidation of alluvium brought down by the rivers flowing from the Himalayas.
4. Orogenesis is the formation of mountains and orogeny is the process by which mountains are formed.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: All four statements are correct

**10: These mountains have asymmetrical folds due to high compression and they have fractured rocks in the eastern part because of the Indian Plate closed the Tethys like a door slamming shut. The core of the mountains has Batholith representing the intrusion of Magma They are composed of metamorphic and sedimentary rocks. Due to iso-static adjustment and deep cutting of valleys, peaks are sharp and the valleys have escarps or free face. The average height is 6000m**

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**Which of the following Himalayas ,the above statement is talking about?**

- A: Lesser Himalayas
- B: Tethyan Himalayas
- C: Greater Himalayas
- D: Trans Himalayas

**11: In the context of Himalayan Ranges, consider the following statement**

1. Shiwalik range from North-East India up to Nepal are covered with thick forests and the forest cover increases towards west from Nepal
2. In Shiwalik range Valleys are part of synclines and hills are part of antisyndines
3. The Pir Panjal range in Kashmir is the longest and the most important range. Which extends from the Jhelum river to the upper Beas river and contains mostly volcanic rocks.
4. The Kailas Range in western Tibet is an offshoot of the Ladakh Range and the highest peak is Mount Kailas (6714 m) and River Indus originates from the northern slopes of the Kailas range.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: All four statements are correct

**12: It is Located between Satluj and Kali gorges, The major mountain ranges include Nagtiba, Dhauladhar, Mussoorie, and parts of the Greater Himalayas. Major peaks include Nandadevi, Kamet, Badrinath, Kedarnath, It receives snowfall during winters and have coniferous forests above 3200m and Deodar forest This region has two important basins Bhagirathi Plain and Doons. Kulu, Manali, and Kangra are tectonic valleys.**

**Which of the following Himalaya the above statement is talking about?**

- A: Central Himalayas
- B: Kumaun Himalayas
- C: Punjab Himalayas
- D: Assam Himalayas

**13: In the context of Mountain passes India, consider the following statement**

1. Khardung La is the highest motorable pass in the country and It connects Leh and Siachen glaciers
2. The Niti Pass connects India with Tibet and this pass is located in Himachal Pradesh.
3. Imis La pass connects Ladakh and Tibet and it has a difficult geographical terrain and steep slopes and This pass remains closed during the winter season.
4. Traill's Pass is located in Uttarakhand and It is situated at the end of the Pindari glacier and connects the Pindari valley to Milam valley.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: All four statements are correct

**14: The Ghat is a ghat section (mountain incline or slope) in the Western Ghats near the town of Kasara in Maharashtra. The Ghat is located on the busy Mumbai–Nashik route, and is one of the four major routes, rail, and road routes, leading into Mumbai. The railway line, which passes through the ghat is the steepest in India with a gradient of 1 in 37**

**Which of the following ghat the above statement is talking about?**

- A: Thal Ghat
- B: Bhor Ghat
- C: Goram Ghat
- D: Pal Ghat

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**15: In the context of Hill Ranges, consider the following statement**

1. Aravalli hills are old fold Mountain ranges which is the oldest tectonic mountains in the world originate in Gujarat and extend till haryana

2. Vindyan range are non-tectonic mountains formed because of the downward faulting of the Narmada Rift Valley to their south.

3. Satpura range is a combination of Satpura, Mahadeo, and Maikala hills and Pachmarhi is the highest point of the Satpura range.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**16: Consider the following pairs**

Hills	Important Mineral
1. Dalma Hills	iron and manganese
2. Balaghat range	Manganese
3. Talcher series	Coal
4. Champion series	Gold

**which of the following pairs is/are correct ?**

- A: only one Pair is correct
- B: Two Pairs are correct
- C: Three Pairs are correct
- D: All four Pairs are correct

**17: In the context of Gangetic plains, consider the following statement**

1. Indo-Gangetic plain is a monotonous aggradational plain formed due to fluvial depositions.

2. The Bhabar belt is comparatively wider in the east and extensive in the western and north-western hilly region.

3. Bhabar area is not suitable for agriculture and only big trees with large roots thrive in this belt.

4. Tarai soils are lack in Nitrogen and have a humus content

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: All four statements are correct

**18: Consider the following pairs**

Plain	River
1. Awadh Plain	Between Ghaghra and gomti- Not flood prone
2. Mithila Plain	Between Gandak and kosi- Not flood prone
3. Magadh plain	Located east of River son- Flood prone

**which of the following pairs is/are correct ?**

- A: only one Pair is correct
- B: Two Pairs are correct
- C: Three Pairs are correct
- D: None of the pair is correct

**19: In the context of Peninsular plateau, consider the following statement**

1. The Dandakaranya includes parts of the Chhattisgarh, Odisha, Telangana, and Andhra Pradesh states

2. In Karnataka Plateau highest peak is at Mulangiri in Baba Budan Hills in the Chikmagalur district.

3. The Rajmahal Hills forming the northeastern edge of the Chotanagpur Plateau are mostly made of basalt and are covered by lava flows

4. Baghelkhand plateau is North of the Maikal Range and it is bounded by the Son river on the north

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: All four statements are correct

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**20: Consider the following statements regarding fringing reefs:**

1. Fringing reefs are coralline platforms lying close to the shore extending outwards from the mainland.
2. They are sometimes separated from the shore by a shallow lagoon.

**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

**21: Consider the following statements regarding semi-evergreen forests of India:**

1. These forests have a mixture of evergreen and moist deciduous trees.
2. It exists in the Andaman, the Western Ghats, the Northeastern region, Bengal, and Orissa.
3. The rainfall is between 200 cm to 250 cm.
4. Orchids, Kadam, Laurel, white cedar, hillocks are the main species of these forests.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: All four statements are correct

**22: The Forest Policy (1988), aims at:**

1. Bringing 25 percent of the geographical area under forest cover.
2. Conserving the natural heritage of the country, its biological diversity, and genetic pool.
3. Increasing the forest cover through social forestry and afforestation on degraded land.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct

D: None of the statement is correct

**23: During the Cold weather season, Northern India experiences an excessive cold compared to Southern India. Why?**

1. Northern India experiences the continental type of climate.
2. The snowfall in the nearby Himalayan ranges creates a cold wave situation
3. The cold winds blown from the Caspian Sea to the northern side of India.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**24: In the context of Black soil consider the following statement**

1. They are clayey, deep and impermeable.
2. They retain the moisture for a very long time.
3. These soils have only developed in the higher areas of the Peninsular plateau.
4. They are rich in lime, iron, magnesia and alumina.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: All four statements are correct

**25: Consider the following statements regarding Longitudes:**

1. Longitude is an angular distance, measured in degrees along the equator, east or west of the Prime Meridian.
2. Longitudes are used to determine local time in relation to Greenwich Mean Time.

**Which of the statements given above is/are correct?**

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

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(d) Neither 1 nor 2

**26: In the context of The Northern Plains, Bhabar is best described as:**

- (a) the belt where most of the streams remerge without having any properly demarcated channels.
- (b) the belt having of old and new alluvial deposits.
- (c) the belt where streams and rivers coming from mountains deposit heavy material of rocks and boulders.
- (d) the belt having characteristic features of mature stage of fluvial erosional and depositional landforms.

**27: Consider the following statements with respect to the season of retreating monsoon:**

- 1. The low-pressure trough of the Ganga plain starts moving southward during the season.
- 2. During the season, the cyclonic activity in the Bay of Bengal decreases drastically.
- 3. The combination of clear skies, high temperature, and moist land brings about October heat in northern India.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**28: Consider the following statements with reference to tides:**

- 1. Spring tides usually occur twice a month.
- 2. An area has a diurnal tidal cycle if it experiences either one high or one low tide every lunar day.
- 3. The time between the high tide and low tide when the water level is falling is called flow.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct

- C: Three statements are correct
- D: None of the statement is correct

**29: Consider the following statements regarding gravity anomalies:**

- 1. It refers to the difference between the observed value of gravity and the expected value of gravity.
- 2. It gives us information about the distribution of mass of the material in the crust of the earth.

**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

**30: Consider the following statements regarding extra-tropical cyclones:**

- 1. Extratropical cyclones can originate on both land and sea.
- 2. Extratropical cyclones usually move in the east to west direction.
- 3. Pattern of wind direction in extratropical cyclones is anti-clockwise in the northern hemisphere.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**31: With reference to India, consider the following statements:**

- 1. Monazite is a source of rare earths.
- 2. Monazite contains thorium.
- 3. Monazite occurs naturally in the entire Indian coastal sands in India.
- 4. In India, Government bodies only can process or export monazite.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct

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C:Three statements are correct  
D:All four statements are correct

**32:With reference to the “Tea Board” in India, consider the following statements:**

- 1.The Tea Board is a statutory body.
- 2.It is a regulatory body attached to the Ministry of Agriculture and Farmers Welfare.
- 3.The Tea Board’s Head Office is situated in Bengaluru.
- 4.The Board has overseas offices at Dubai and Moscow.

**Which of the following statement is/are correct?**

- A:Only one statement is correct  
B:Two statements are correct  
C:Three statements are correct  
D:All four statements are correct

**33:The vegetation of savannah consists of grassland with scattered small trees. The forest development in such areas is generally kept in check by one or more or a combination of some conditions.**

**Which of the following are such conditions?**

1. Burrowing animals and termites.
2. Fire
3. Grazing herbivores
4. Seasonal rainfall
5. Soil properties

**Select the correct answer using the code given below.**

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

**34:Consider the following statements:**

1. Moringa (drumstick tree) is a leguminous evergreen tree.
2. Tamarind tree is endemic to south Asia.
3. In India, most of the tamarind is collected as minor forest produce.

4. India exports tamarind and seeds of moringa.

5. Seeds of moringa and tamarind can be used in the production of biofuels.

**Which of the statements given above are correct?**

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

**35:How is permaculture farming different from conventional chemical farming?**

1. Permaculture farming discourages monocultural practices but in conventional chemical farming, monoculture practices are predominant.
2. Conventional chemical farming can cause increase in soil salinity but the occurrence of such phenomenon is not observed in permaculture farming.
3. Conventional chemical farming is easily possible in such regions.
4. Practice of mulching is very important in permaculture farming but not necessarily so in conventional chemical farming.

**Which of the following statement is/are correct?**

- A:Only one statement is correct  
B:Two statements are correct  
C:Three statements are correct  
D:All four statements are correct

**36:With reference to ‘palm oil’, consider the following statements:**

- 1.The palm oil tree is native to Southeast Asia.
2. The palm oil is a raw material for some industries producing lipstick and perfumes.
- 3.The palm oil can be used to produce biodiesel.

**Which of the statements given above is/are correct?**

- A:Only one statement is correct  
B:Two statements are correct  
C:Three statements are correct

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D:None of the statement is correct

### 37:Consider the following statements:

1. In the tropical zone, the western sections of the oceans are warmer than the eastern sections owing to the influence of trade winds.
2. In the temperate Zone, westerlies make the eastern sections of oceans warmer than the western sections

**Which of the statements given above is/are correct?**

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 and 2

### 38:What is the use of biochar in farming?

- 1.Biochar can be used as a part of the growing medium in vertical farming.
- 2.When biochar is a part of the growing medium, it promotes the growth of nitrogen fixing microorganisms.
- 3.When biochar is a part of the growing-medium, it enables the growing medium to retain water for a longer time.

**Which of the statements given above is/are correct?**

- A:Only one statement is correct
- B:Two statements are correct
- C:Three statements are correct
- D:None of the statement is correct

### 39:What is/are the advantages/advantages of zero tillage in agriculture?

- 1.Sowing of wheat is possible without burning the residue of the previous crop.
- 2.Without the need for nursery of rice saplings, direct planting of paddy seeds in the wet soil is possible.
- 3.Carbon sequestration in the soil is possible.

**Which of the statements given above is/are correct?**

- A:Only one statement is correct
- B:Two statements are correct

C:Three statements are correct

D:None of the statement is correct

### 40:With reference to pulse production in India, consider the following statements:

- 1.Black gram can be cultivated as both kharif and rabi crops.
- 2.Green-gram alone accounts for nearly half of pulse production.
- 3.In the last three decades, while the production of kharif pulses has increased, the production of rabi pulses has decreased.

**Which of the statements given above is/are correct?**

- A:Only one statement is correct
- B:Two statements are correct
- C:Three statements are correct
- D:None of the statement is correct

### 41:In the context of Geomorphic process,consider the following statement

1. Endogenic forces are the internal forces that are responsible for the formation of new undulations on the surface of the earth and They are the result of the convectional currents formed in the mantle.
- 2.Orogeny is a mountain-building process whereas epeirogeny is a continental building process.
- 3.The Andamans and Nicobars have been isolated from the Arakan coast by the submergence of the intervening land

**Which of the statements given above is/are correct?**

- A:Only one statement is correct
- B:Two statements are correct
- C:Three statements are correct
- D:None of the statement is correct

### 42:Which of the following are the agent of the Erosion

- 1.Running surface water
- 2.Wind
- 3.Glaciers

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4. Waves

5. Karst

**Choose the following correct options**

A: 1, 2, 3, 4,

B: 1, 2, 3, 4, 5

C: 2, 3, 4, 5

D: 1, 2, 4, 5

**43: Which of the following are the significance of plate tectonics**

1. Economically valuable minerals like copper and uranium are found near the plate boundaries

2. Almost all major landforms formed are due to plate tectonics.

3. The shape of landmasses in the future can be predicted

4. North and South America will separate, if the present trends continue

**Which of the following statement is/are correct?**

A: Only one statement is correct

B: Two statements are correct

C: Three statements are correct

D: All four statements are correct

**44: Consider the following statement**

1. The movement of the lithospheric plates is caused by the movement of the magma in the mantle.

2. Seafloor spreading is a process that occurs at mid-ocean ridges, where new oceanic crust is formed through volcanic activity

3. The oceanic plates contain mainly the Simatic crust and are relatively thinner, while the continental plates contain Sialic material and are relatively thicker

**Which of the statements given above is/are correct?**

A: Only one statement is correct

B: Two statements are correct

C: Three statements are correct

D: None of the statement is correct

**45: In the context of Rock system, consider the following statement**

1. igneous rocks are formed after cooling and solidifying of molten rock

2. Metamorphism is a process by which recrystallisation and reorganization of minerals occur within a rock.

3. Quartzite is a soft rock found over Rajasthan, Bihar, Madhya Pradesh.

**Which of the statements given above is/are correct?**

A: Only one statement is correct

B: Two statements are correct

C: Three statements are correct

D: None of the statement is correct

**46: Consider the following statements regarding the evolution of the Earth's Atmosphere:**

1. The early primordial atmosphere of Earth was dominated by hydrogen and helium.

2. Gases and water vapor were released from the interior solid earth during the cooling of Earth.

**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

**47: Consider the following statements:**

1. Compact and consolidated rocks are least affected by freeze-thaw actions.

2. Sedimentary rocks are highly susceptible to this mechanism of weathering.

**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

**48: With reference to acidic lava, consider the following statements:**

1. These lavas are highly viscous with a high melting point.

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2. These lavas are dark-colored, rich in iron and magnesium but poor in silica.

3. They flow out of the vent with a loud explosion.

**Which of the statements given above is/are correct?**

A: Only one statement is correct

B: Two statements are correct

C: Three statements are correct

D: None of the statement is correct

**49: Consider the following statements:**

1. Potholes are cylindrical depressions over the rocky beds of hill streams.

2. Potholes are generally formed in sandstones and granites.

3. Plunge pools are formed at the base of waterfalls.

**Which of the statements given above is/are correct?**

A: Only one statement is correct

B: Two statements are correct

C: Three statements are correct

D: None of the statement is correct

**50: Consider the following statements regarding Savanna type climate:**

1. Minimum diurnal range of temperature is the characteristic feature of this type of climate.

2. Distinct wet and dry seasons are observed in this climate.

3. Vegetation in the savanna climate is predominantly semi-evergreen.

**Which of the statements given above is/are correct?**

**Which of the statements given above is/are correct?**

A: Only one statement is correct

B: Two statements are correct

C: Three statements are correct

D: None of the statement is correct

**51: The old stage of the cycle of river erosion is characterized by**

1. Decrease in channel gradient

2. The absence of the downcutting of the valley

3. Rivers adopting highly meandering courses

**Which of the statements given above is/are correct?**

A: Only one statement is correct

B: Two statements are correct

C: Three statements are correct

D: None of the statement is correct

**52: With reference to the characteristics of Troposphere, consider the following statements:**

1. Thickness of the troposphere is highest at the equator due to low gravity at the equator.

2. Temperature of tropopause at poles is higher than the equator.

**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

**53: Which of the following statements is/are correct regarding the Earth's Crust?**

1. Crust is the outermost solid part of the earth.

2. Oceanic crust is thinner as compared to continental crust.

3. Continental crust is denser than oceanic crust.

**Which of the statements given above is/are correct?**

A: Only one statement is correct

B: Two statements are correct

C: Three statements are correct

D: None of the statement is correct

**54: Consider the following statements:**

1. The Himalayas prevent the cold winds from Central Asia from entering the subcontinent.

2. Northern India experiences a higher annual range of temperatures compared to Southern India.

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3. Seasonal contrasts in interior parts of the country are higher compared to coastal locations.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**55: Consider the following statements:**

1. An air mass is a body of air covering a relatively wide area exhibiting approximately uniform physical properties.
2. In an air mass there is negligible vertical variation in temperature and moisture.
3. When two contrasting warm and cold air masses meet they form a front.

Which of the statements given above are correct?

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**56: In the context of Seismic wave, consider the following statement**

1. The point where the energy is released is called the focus of an earthquake
2. Body waves are generated due to the release of energy at the focus and move in all directions traveling through the body of the earth.
3. The shadow zone for 'P' waves is an area that corresponds to an angle between  $103^\circ$  and  $142^\circ$ .
4. Reflection causes waves to rebound whereas refraction makes waves move in different directions.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct

D: All four statements are correct

**57: With reference to the impact of solar activity on global climate, consider the following statements:**

1. Volcanic eruptions reduce the sun's radiation reaching the earth's surface.
2. A decrease in the sunspot numbers is associated with cooler and wetter weather conditions.

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: With reference to the Northeast Extension of the Peninsular Plateau, consider the following statements:**

1. The northeastern parts are separated by the Bhima fault from the Chotanagpur plateau.
2. Meghalayan plateau is a northeast extension of the peninsular plateau.

**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

**59: Which of the following statements is/are correct regarding the Solar System?**

1. Mercury is the only planet without a satellite.
  2. All planets in the solar system rotate around their own axis from East to West.
  3. The asteroid belt in the Solar System is located roughly between the orbits of the planets Jupiter and Saturn.
- Select the correct answer using the code given below.

**Which of the statements given above is/are correct?**

A: Only one statement is correct

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- B:Two statements are correct  
C:Three statements are correct  
D:None of the statement is correct

**60: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 is/are correct?**

- A:Only one statement is correct  
B:Two statements are correct  
C:Three statements are correct  
D:None of the statement is correct

**61:Consider the following statements with respect to Western Disturbances:**

1. They originate in the tropical regions of Western Asia.
2. They are driven into India by the westerly jet stream.
3. They bring rainfall in Northern India during the winter season.
4. When the Western Disturbances approach a region, a decline in the night temperatures is observed.

**Which of the following statement is/are correct?**

- A:Only one statement is correct  
B:Two statements are correct  
C:Three statements are correct  
D:All four statements are correct

**62:Consider the following statements regarding different layers in the Soil profile:**

1. Horizon A is composed of loose parent material.
2. Horizon C is the last stage in the soil formation process.

3. Horizon B contains organic as well as mineral matter.

**Which of the statements given above is/are correct?**

- A:Only one statement is correct  
B:Two statements are correct  
C:Three statements are correct  
D:None of the statement is correct

**63:Consider the following statements with respect to Inter-Tropical Convergence Zone (ITCZ):**

1. ITCZ is a low-pressure zone that moves with the apparent movement of the sun.
2. Tropical Cyclones paths over India are mainly determined by the position of ITCZ.

**Which of the statements given above are correct?**

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

**64:With reference to tropical thorn forests, consider the following statements:**

1. These forests occur in areas that receive rainfall between 50-100 cm.
2. In these forests, plants remain leafless for the most part of the year and give an expression of scrub vegetation.
3. It is extensively distributed throughout the dry peninsular tract on the leeward side of the Western Ghats.

**Which of the statements given above is/are correct?**

- A:Only one statement is correct  
B:Two statements are correct  
C:Three statements are correct  
D:None of the statement is correct

**65:Consider the following statements:**

1. There is very low humus content in soils of cold climates.

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2. In cold climates, bacterial growth and action are intense leaving very low humus content in the soil.

**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

**66: Consider the following statements:**

1. The western ghats are comparatively higher in elevation than the eastern ghats.
2. The western ghats are highly eroded by the river as compared to eastern ghats.
3. The western ghats and the eastern ghats meet each other at the Nilgiri Hills.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**67: Consider the following statements:**

1. China has the largest lithium reserves in the world.
2. There are no local reserves of lithium in India.
3. The famous 'lithium triangle' is a lithium-rich region in Eurasia.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**68: With reference to the various approaches to Human Development, consider the following statements:**

1. The Welfare approach to human development advocates that the level of income reflects the level of freedom enjoyed by an individual.

2. The Basic needs approach ignores the aspect of human choices in human development.

3. Capability approach is based on building human capabilities in the areas of health, education and access to resources.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**69: Which of the following statements is/are correct with respect to population growth in India (1921-51)?**

1. It is referred to as the period of the stationary phase of population growth.
2. In this period, the birth rate remained high whereas the mortality rate declined.
3. During this period, a negative decadal population growth rate was recorded.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**70: Consider the following statements with respect to rural settlements in India:**

1. In semi-clustered settlements, the land-owning dominant community tends to occupy the central part of the village.
2. Hamleted settlements are frequently found in the lower Ganga plains.
3. Fragmented nature of terrain often results in dispersed settlements.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

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**71: Consider the following statements with respect to social indicators in India:**

1. The life expectancy at birth in males is higher than the females.
2. Child Sex Ratio in economically developed states like Haryana and Punjab is more than the national average.

**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

**72: With reference to rural settlements, consider the following statements:**

1. The design and use of building materials of houses in rural areas vary from one ecological region to another.
2. The occupation of the population in rural settlements is predominantly based on secondary and tertiary sector activities.

**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

**73: Consider the following statements regarding Bauxite:**

1. Bauxite is a non-ferrous metallic mineral used in the manufacturing of aluminum.
2. It is found extensively in the terai region of the Northern Plains.

**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

**74: With reference to different streams of migration in India, consider the following statements:**

1. Female migrants dominate the rural-to-rural Intrastate migration.
2. Male migrants dominate the rural to urban Interstate migration.
3. Marriage for females and work & employment for males are the main causes for their migration.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**75: With reference to the Human Development Index (HDI), consider the following statements:**

1. Education and Health are the only parameters of the Human Development Index.
2. Health as an indicator is measured through number of Medical Care Centres per million population of a country.
3. The Human Development Index is released by the UNDP.

**Which of the statements given above is/are correct?**

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**76: Which of the following statements is/are correct regarding mixed farming?**

1. Mixed farming is characterized by low capital expenditure on agricultural inputs.
2. Fodder crops are an important component of mixed farming.

**Select the correct answer using the code given below.**

- (a) 1 only

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

**77: 'It is largely a rainfed Kharif crop of drylands. But in southern India, it is cultivated during the rabi season as well. It covers about 3.6 percent of the total cropped area in the country. Gujarat is the largest producer of this crop accounting for nearly forty percent of the production.'**

**Which of the following crops is mentioned in the passage given above?**

- (a) Groundnut  
(b) Mustard  
(c) Gram  
(d) Sunflower

**78: In the context of settlements, a 'double village' is defined as the:**

- (a) rural settlement spread on coastal regions which often requires shifting due to natural disasters.  
(b) settlement spread on both sides of an urban area sharing common occupations.  
(c) settlement spread on both sides of a river where there is a bridge or a ferry.  
(d) rural settlement where people are engaged in manufacturing and trading, apart from agriculture.

**79: Consider the following statements regarding the distribution of minerals across various continents:**

1. Australia is the largest producer of bauxite in the world.
2. Africa is the world's largest producer of diamonds and gold.
3. Antarctica does not have the presence of mineral deposits in commercial quantities.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct  
B: Two statements are correct

- C: Three statements are correct  
D: None of the statement is correct

**80: With reference to the world population, consider the following statements:**

1. The world population crossed the one billion mark in the first half of the 17th century.
2. At present, Africa has the highest growth rate of population among all the continents.

**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

**81: With reference to the current trends in the cultivation of sugarcane in India, consider the following statements:**

1. A substantial saving in seed material is made when 'bud chip settings' are raised in a nursery and transplanted in the main field.
2. When direct planting of setts is done, the germination percentage is better with single budded setts as compared to setts with many buds.
3. If bad weather conditions prevail when setts are directly planted, single-budded setts have better survival as compared to large setts.
4. Sugarcane can be cultivated using settings prepared from tissue culture.

**Which of the following statement is/are correct?**

- A: Only one statement is correct  
B: Two statements are correct  
C: Three statements are correct  
D: All four statements are correct

**82: With reference to solar water pumps, consider the following statements:**

1. Solar power can be used for running surface pumps and not for submersible Pumps.

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2. Solar power can be used for running centrifugal pumps and not the ones with piston.

**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

**83: In the context of India, which of the following is/are considered to be of practice(s) of eco-friendly agriculture?**

- 1. Crop diversification
- 2. Legume intensification
- 3. Tensiometer use
- 4. Vertical farming

**Select the correct answer using the code given below:**

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

**84: What are the advantages of fertigation in agriculture?**

- 1. Controlling the alkalinity of irrigation water is possible.
- 2. Efficient application of Rock Phosphate and all other phosphatic fertilizers is possible.
- 3. Increased availability of nutrients to plants is possible.
- 4. Reduction in the leaching of chemical nutrients is possible.

**Which of the following statement is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: All four statements are correct

**85: With reference to Ocean Mean Temperature (OMT), which of the following statements is/are correct?**

- 1. OMT is measured up to a depth of 26°C isotherm which is 129 meters in the

southwestern Indian Ocean during January – March.

2. OMT collected during January – March can be used in assessing whether the amount of rainfall in the monsoon will be less or more than a certain long-term mean.

**Select the correct answer using the code given below:**

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

**86: Consider the following statements:**

- 1. Jet streams occur in the Northern Hemisphere only.
- 2. Only some cyclones develop an eye.
- 3. The temperature inside the eye of a cyclone is nearly 10°C lesser than that of the surroundings.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**87: With reference to cropping patterns of cereals in India, consider the following statements:**

- 1. More than half of the total cropped area is occupied by cereals in India.
- 2. Area under wheat cultivation is higher than the area under rice cultivation.

**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

**88: Consider the following statements regarding Age-Sex Pyramids:**

- 1. Developing countries generally have triangular pyramids with a wide base.

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2. Bell-shaped pyramid indicates that the population is almost constant.
3. Countries like Japan have a narrow pyramid base.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct  
 B: Two statements are correct  
 C: Three statements are correct  
 D: None of the statement is correct

**89: Consider the following statements with reference to 'Manganese' in India:**

1. It is an important raw material for manufacturing Ferroalloys.
2. Manganese deposits are mainly associated with Dharwar geological rock system.
3. Odisha produces the most manganese in the country.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct  
 B: Two statements are correct  
 C: Three statements are correct  
 D: None of the statement is correct

**90: Which of the following conditions must be fulfilled for a Super Blood Moon to occur, which was observed recently?**

1. Moon must lie completely within the Umbra region of Earth.
2. Moon and Earth must be as close as possible.
3. It must be a full moon night.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct  
 B: Two statements are correct  
 C: Three statements are correct  
 D: None of the statement is correct

**91: Consider the following statements with respect to watershed management:**

1. It includes conservation, regeneration, and judicious use of all-natural resources within the watershed.

2. Community participation is one of the prominent features of watershed management.

**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

**92: Which of the following statements correctly explains the term 'physiological density'?**

- (a) It is a measurement of total population per unit area of a country.
- (b) It refers to the ratio to total agricultural population and the total area of a country.
- (c) It refers to the ratio of the total population and the net cultivable area in a country.
- (d) It refers to the ratio of the total agricultural population and the net cultivable area in a country.

**93: Consider the following statements regarding the distribution of petroleum:**

1. Crude petroleum occurs in sedimentary rocks of the tertiary period.
2. More than half of the world's proven oil reserves are located in North America.

**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

**94: Which of the following is/are the adverse impacts of rural to urban migration in India?**

1. Imbalance in sex ratio in place of origin and destination of migrants
2. Increased antisocial activities in place of destination of migrants
3. Unplanned growth of settlements in place of destination of migrants

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Select the correct answer using the code given below.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**95: Consider the following statements with reference to the occurrence of various minerals:**

1. Metallic minerals are obtained from veins and lodes.
2. Coal mainly occurs as alluvial deposits in the sands of valley floors.
3. Bauxite is formed as a result of an accumulation for long periods under great heat and pressure.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**96: With reference to agriculture and allied activities in the Mediterranean region, consider the following statements:**

1. This region is an important supplier of olives and figs.
2. Viticulture is a specialty of the region.
3. Rice is the principal foodgrain grown in the region.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**97: Consider the following statements:**

1. As per the world's average sex ratio there are more females per thousand males in the world.

2. More than half of the countries in the world exhibit a better sex ratio for women.

**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

**98: Consider the following statements:**

1. Tertiary activities are directly involved in the processing of physical raw materials and the production of tangible goods.
2. The highest level of decision-makers or policymakers perform quaternary activities.
3. Workers of Quinary activities are often referred to as 'gold collar' professions.

**Which of the statements given above is/are correct?**

- A: Only one statement is correct
- B: Two statements are correct
- C: Three statements are correct
- D: None of the statement is correct

**99: Consider the following statements regarding footloose industries:**

1. Footloose industries enjoy relatively a free choice of location.
2. These industries are generally polluting industries.

**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

**100: Consider the following statements with reference to shale gas:**

1. Unlike conventional hydrocarbons, shale gas is trapped under permeable rocks.
2. Extraction of shale gas requires a large quantity of water.

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3. The USA is estimated to have the world's largest shale gas reserves.

**Which of the statements given above is/are correct?**

A: Only one statement is correct

B: Two statements are correct

C: Three statements are correct

D: None of the statement is correct