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PRESTORMINGTM

TEST BOOKLET

Test Booklet Series

T.B.C : P-SIA-A-GS

Serial : P-GSI-252601

GENERAL STUDIES - PAPER - I

GEOGRAPHY

TEST - 01



Time Allowed : Two Hours

Maximum Marks : 200

I N S T R U C T I O N S

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. ENCODE CLEARLY THE TEST BOOK SERIES **A, B, C** OR **D** AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET.
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 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, 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. Sooner than 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 A 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 (0.66)** of the marks assigned to that question will be deducted as a 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 the 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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(1-A)

SIA-A-GS I



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(2-A)

SIA-A-GS I

1. The term "Wallacean hominids" which was recently in the news, is most appropriately related to which of the following?

- (a) Early human ancestors found in the Amazon rainforest.
- (b) Prehistoric human populations inhabiting the islands of Eastern Indonesia.
- (c) The first evidence of hominid settlement in the Andaman Islands.
- (d) A newly discovered hominid species in the African Rift Valley.

2. **Assertion(A)** : Hot deserts are located at low latitudes

Reason (R) : Continental drift has moved them to lower latitudes from higher latitudes.

Select the correct using the codes given below:

- (a) Both A and R are individually true and R is the correct explanation of A.
- (b) Both A and R are individually true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

3. Consider the following statements:

- 1. Tropical cyclones occur only in oceanic areas where the sea temperature exceeds 33°C.
- 2. In order to achieve the rotational component, the tropical cyclone must be spawned at least 5°N or 5°S of 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

4. **Assertion (A)** : The circumpolar current encircles Antarctica from west to east.

Reason (R) : The westerly winds in southern hemisphere blow constantly from west to east and do not encounter any major landmasses.

Select the correct using the codes given below:

- (a) Both A and R are individually true and R is the correct explanation of A.
- (b) Both A and R are individually true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

5. **Assertion (A)** : The eruption of volcanoes also brings climate change.

Reason (R) : The Volcanic ash and gases affected the incoming Solar radiation.

Select the correct using the codes given below:

- (a) Both A and R are individually true, and R is the correct explanation of A.
- (b) Both A and R are individually true, but R is not the correct explanation of A
- (c) A is true, but R is false
- (d) A is false, but R is true

(3-A)

6. The Divergent movement of plates results in:
1. Creation of New Oceanic Crusts
 2. Formation of a submarine mountain range
 3. Drifting of the plate
 4. Creation of transform faults
- Which of the statements given above are correct?
- (a) 2, 3 and 4 only
(b) 1, 2 and 3 only
(c) 1, 3 and 4 only
(d) 1, 2, 3 and 4

7. **Assertion(A)** : Most of the Himalayan belt is free from volcanic activity

Reason (R) : Himalaya formed due to the convergence of two continents and has intense folding.

Select the correct option using the codes given below:

- (a) Both A and R are individually true, and R is the correct explanation of A.
(b) Both A and R are individually true, but R is Not the correct explanation of A
(c) A is true, but R is false
(d) A is false, but R is true

8. **Assertion (A)** : The basalt rocks are formed over the surface, while granite rocks reach the surface only by being exposed to erosion.

Reason (R) : Extrusive is a volcanic rock, while Intrusive is a plutonic rock.

Select the correct using the codes given below:

- (a) Both A and R are individually true, and R is the correct explanation of A.
(b) Both A and R are individually true, but R is Not the correct explanation of A
(c) A is true, but R is false
(d) A is false, but R is true

9. Consider the following statement:

1. Most of the sedimentary rocks are deposited in water bodies.
2. The riverine plains are composed of sedimentary rocks.

Which of the above statements is/are correct?

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

10. **Assertion (A)** : The plains are formed by both internal forces and external forces of the Earth.

Reason (R) : All the plains lie above the mean sea level.

Select the correct using the codes given below:

- (a) Both A and R are individually true, and R is the correct explanation of A.
(b) Both A and R are individually true, but R is Not the correct explanation of A
(c) A is true, but R is false
(d) A is false, but R is true

11. Niagara Falls is located between which of the following pairs of lakes?

- (a) Lake Superior and Lake Huron
- (b) Lake Huron and Lake Erie
- (c) Lake Erie and Lake Ontario
- (d) Lake Ontario and Lake Huron

12. **Assertion(A)** : Species diversity is quite low in the tropical Savannah in comparison to the adjacent tropical rainforests.

Reason (R) : The fire factor plays a role in controlling the species diversity in Savannah.

Select the correct using the codes given below:

- (a) Both A and R are individually true and R is the correct explanation of A.
- (b) Both A and R are individually true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

13. **Assertion (A)** : Most of the radioactive materials are concentrated in the uppermost layers of the Earth.

Reason (R) : The Rate of increase of temperature decreases as we move below.

Select the correct using the codes given below:

- (a) Both A and R are individually true, and R is the correct explanation of A.
- (b) Both A and R are individually true, but R is not the correct explanation of A
- (c) A is true, but R is false
- (d) A is false, but R is true

14. The British Overseas Territory is spread across which of the following ocean basins?

- I. North Atlantic Ocean
- II. South Pacific Ocean
- III. South Atlantic Ocean
- IV. Indian Ocean

Select the correct answer from the codes given below:

- (a) I, II only
- (b) I, IV only
- (c) I, II, III only
- (d) I, II, III and IV only

15. Consider the following pairs:

	River	Flows Through
1	Tijuana	Mexico
2	Limpopo	Mozambique
3	Elbe	Czech Republic

Which of the above are correctly matched?

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

16. Consider the following statements:

1. Rice is the top-most commodity in agricultural exports from India.
2. Vegetable Oil is the top-most commodity in agricultural imports into India.
3. India exports more pulses than it imports.

Which of the above statements are correct?

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

17. Which of the following states borders Bangladesh?

1. Mizoram
2. Manipur
3. Nagaland
4. Assam
5. Sikkim
6. West Bengal

Select the answer using the codes given below:

- (a) Only two
- (b) Only three
- (c) Only four
- (d) Only five

18. Consider the following statements :

Statement I :

Iron does not rust easily in deserts due to the absence of water.

Statement II :

Oxidation is the process in which oxygen in air and water reacts with minerals in the rock.

Which one of the following is correct with respect to the other statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

19. How many of the following cities are present in the tropical region?

1. Darwin
2. New Delhi
3. Manila
4. Buenos Aires
5. Port of Spain
6. Astana
7. Khartoum

Select the correct answer using the codes given below:

- (a) Only three
- (b) Only four
- (c) Only five
- (d) Only six

(6-A)

SIA-A-GS I

20. Consider the following statements on Relative Humidity :

Statement I :

Relative Humidity is low in the sub-tropical region

Statement II :

The capacity of air to hold moisture decreases with rising temperature

Statement III :

Cloud formation is abundant in the sub-tropical region

Which one of the following is correct with respect to the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement I and Statement II are correct and Statement I explains Statement II
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct.

21. Which of the following appeared on the Earth last?

- (a) Birds
- (b) Amphibians
- (c) Reptiles
- (d) Fishes

22. Which of the following is/are intrusive volcanic landforms?

- 1. Cinder Cone
- 2. Sill
- 3. Dyke
- 4. Batholith

Select the correct answer using the codes given below :

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

23. Which of the islands are volcanic in origin?

- 1. South Sandwich Islands
- 2. Mauritius
- 3. Azores

Select the correct answer using the codes given below:

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

24. Consider the following statements on Igneous rocks:

- 1. Basalt is denser than Granite.
- 2. Granite is used in the construction industry, but not basalt

Which of the above statements is/are correct?

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

25. Consider the following statements on the accelerometer:

1. It is a device used for detecting acceleration and is present in mobile phones
2. Accelerometer data from phones may be used for detecting earthquakes.

Which of the above statements is/are correct?

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

26. Consider the following statements:

Statement I :

In India, more than fifty per cent of the labourers have exposure to excessive heat.

Statement II :

Agriculture and construction are heat-intensive sectors.

Which one of the following is correct with respect to the other statements?

- (a) Both Statement I and Statement II are correct, and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct, but Statement II does not explain Statement I
- (c) Statement I is correct, but Statement II is not correct
- (d) Statement I is not correct, but Statement II is correct

27. You are a fish swimming off the coast of Gabon. You should get to Namibia. How would you get there when travelling through the ocean currents?

- (a) Benguela - South Equatorial - West Wind Drift - Brazil
- (b) South Equatorial - Brazil - West Wind Drift - Benguela
- (c) South Equatorial - Benguela - Brazil - West Wind Drift
- (d) South Equatorial - Brazil - Benguela - West Wind Drift

28. A rock lies buried beneath the ground for thousands of years. Slowly, plant roots reach it, water percolates, chemical reactions accelerate, and over time, the rock completely dissolves into soil, leaving no trace of its parent material.

In which type of climate is such intense chemical weathering and leaching most likely to occur?

- (a) Equatorial climate
- (b) Warm Temperate western margin climate
- (c) Tropical monsoon climate
- (d) Continental steppe climate

29. Where would you most likely find laurel, myrtle, lavender, arbutus and rosemary?

- (a) Italy
- (b) Nigeria
- (c) Japan
- (d) Uruguay

30. Where is temperature inversion **not** observed?

- (a) Troposphere
- (b) Stratosphere
- (c) Mesosphere
- (d) Ionosphere

31. Satellite launching stations are closer to the Equator because:

- (a) Gravitational force is less near the Equator
- (b) Rotational velocity is low
- (c) The equator has high insolation
- (d) Coriolis force is zero

32. Consider the following statements:

1. All Igneous rocks are called parent rocks.
2. All igneous rocks are found on the Earth's surface.

Which of the above statements is/are correct?

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

33. Which river empties into the Pacific Ocean?

- (a) Yukon
- (b) Seine
- (c) Danube
- (d) Ob

34. Consider the following statements:

Statement I :

Warm waters are less dense than cold waters

Statement II :

Fresh water is denser than salt water

Which one of the following is correct with respect to the other statements?

- (a) Both Statement I and Statement II are correct, and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct, but Statement II does not explain Statement I
- (c) Statement I is correct, but Statement II is not correct
- (d) Statement I is not correct, but Statement II is correct

35. A meteorologist using a barometer makes corrections for which of the following?

1. Altitude
2. Latitude
3. Temperature

Select the correct answer using the codes given below:

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

36. Which of the following is **not** a Foehn wind?

- (a) Zonda
- (b) Berg
- (c) Chinook
- (d) Southerly Buster

37. Consider the following:

1. Carbon dioxide
2. Water vapour
3. Nitrogen
4. Hydrogen
5. Methane
6. Ammonia

How many of the above gases were found in the early atmosphere of the Earth?

- (a) 3
- (b) 4
- (c) 5
- (d) 6

38. Which of the following is/are correct inferences from isothermal maps in the month of January?

1. The isotherms are more or less parallel to the latitudes in the Southern Hemisphere.
2. The presence of warm ocean currents and the Gulf Stream makes the isotherms parallel to the latitudes.

Select the answer using the code given below:

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

39. With reference to "Coriolis force", which of the following statements is/are correct?

1. It is directly proportional to the wind velocity and latitude.
2. It is perpendicular to the pressure gradient force.

Select the answer using the code given below:

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

40. Consider the following climate types according to the Koppen scheme of classification:

1. Tropical wet
2. Humid subtropical
3. Marine West Coast
4. Humid continental

How many of the above climate types have a distinct dry season?

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

41. Consider the following statements with respect to types of Coral Reefs:

1. Fringing reefs are separated from the coast by a much wider and deeper channel or lagoon.
2. Barrier reefs are a coral line platform lying close to the shore.
3. Atolls are similar to barrier reefs except that they are circular in shape.

Which of the statements given above is/ are correct?

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

42. Which among the following are **not** true regarding the equatorial regions?

- (a) It is a sparsely populated region due to the excessive heat and high humidity.
- (b) The Climate is favorable for rubber and cocoa production.
- (c) The main occupations of the region are lumbering and livestock farming.
- (d) The Climate encourages the spread of diseases and pests.

43. Consider the following statements:

1. The differential heating and cooling of the continents and seas have more say in this climate.
2. Most of the year is dry, with little or no precipitation.
3. In addition to the Indian Sub-continent, this Climate is observed in Myanmar, Laos, Cambodia and South China.

Which of the above statements are correct regarding Tropical Monsoon Climate?

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

44. Consider the following pairs:

Tribes		Region
---------------	--	---------------

- | | | |
|---------------|---|-----------|
| 1. Bindibu | - | Indonesia |
| 2. Pygmies | - | Amazon |
| 3. Orang Asli | - | Congo |

How many of the pairs given above are correctly matched?

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

45. Consider the following statements:

- 1. Hot, dry summers and cool, wet winters characterize this climate.
- 2. Experience extreme diurnal temperature.
- 3. It is the transitional climate between the rainforest and the desert.

How many of the statements given above are correct regarding the Savanna or the Sudan climate?

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

46. The plant species such as Malle, Mulga, and Spinifex grass are found in?

- (a) Hot Desert Climate
- (b) Tropical Savanna climate
- (c) Temperate Steppe Climate
- (d) Siberian Climate

47. Consider the following statements:

Statement I :

Continental shelves can be as shallow as 30 meters or as deep as 600 meters.

Statement II :

The depth of continental shelves is uniform throughout the world.

Which one of the following is correct in respect of the following statements?

- (a) Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
- (b) Both Statement-I and Statement-II are correct and but Statement-II does not explain Statement-I
- (c) Statement-I is correct but Statement-II is not correct
- (d) Statement-I is not correct but Statement-II is correct

48. Which one of the following tributaries of the Indus River system flows entirely within India?

- (a) Chenab
- (b) Sutlej
- (c) Jhelum
- (d) Beas

(12-A)

SIA-A-GS I

49. Which of the statements best describes the term 'Supershear Earthquake' as seen in the news?

- (a) Earthquakes that precede larger earthquakes in the same location.
- (b) Lower-magnitude (or lower-intensity) tremors that follow the principal earthquake.
- (c) Seismic events of comparable intensity strike a small area in relatively quick succession.
- (d) An earthquake occurs when a fault ruptures faster than seismic shear waves can travel through rock.

50. Consider the following statements:

Statement I :

Meanders form primarily due to lateral erosion on the outer bank and deposition on the inner bank of a river.

Statement II :

Coriolis force is the main factor responsible for the formation of meanders in rivers.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
- (b) Both Statement-I and Statement-II are correct but Statement-II does not explain Statement-I
- (c) Statement-I is correct but Statement-II is not correct
- (d) Statement-I is not correct but Statement-II is correct

51. Consider the following with respect to the Neon gas:

- 1. It is a colourless, odourless and toxic gas.
- 2. Neon gas is used in advertising boards and as a cryogenic refrigerant.
- 3. Ukraine is the leading global supplier of neon gas.

Which of the statements given above is/ are correct?

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

52. Consider the following:

Statement I :

Ozone concentration drop is more pronounced in the Southern Hemisphere than in the Northern Hemisphere.

Statement II :

The long presence of low temperatures in the region exacerbates the ozone drop.

Which one of the following is correct with respect to the above statements?

- (a) Both Statement I and Statement II are correct, and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct, but Statement II does not explain Statement I
- (c) Statement I is correct, but Statement II is not correct
- (d) Statement I is not correct, but Statement II is correct

53. As the Ganga flows eastward, its left bank tributaries join it in a particular sequence.

Which of the following shows the correct order from west to east?

- (a) Ramganga – Ghaghara – Gandak – Mahananda
- (b) Ghaghara – Ramganga – Mahananda – Gandak
- (c) Gandak – Ramganga – Ghaghara – Mahananda
- (d) Mahananda – Gandak – Ghaghara – Ramganga

54. Consider the following:

Statement I :

India is the largest producer of Monazite in the world.

Statement II :

India is the principal world source of high-quality monazite sands, followed by Brazil.

Which one of the following is correct with respect to the above statements?

- (a) Both Statement I and Statement II are correct, and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct, but Statement II does not explain Statement I
- (c) Statement I is correct, but Statement II is not correct
- (d) Statement I is not correct, but Statement II is correct

55. Which one of the following countries is **not**

a member of the Panel on Tropical Cyclones (PTC), which is responsible for naming the tropical cyclones that have formed over the Bay of Bengal and the Arabian Sea?

- (a) India
- (b) Indonesia
- (c) Iran
- (d) Maldives

56. With reference to the 'Indian Niño', consider the following statements:

1. In the Positive phase, the mean sea temperatures were close to average across the Indian Ocean.
2. Indian Niño was an independent system and cannot be triggered by El Niño Southern Oscillation (ENSO).
3. The life span of the Indian Niño event is shorter than the Pacific El Niño-La Niña episodes.

How many of the statements given above are correct?

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

57. With reference to the forest fire, consider the following statements:

1. In India, the Forest Fire Alert System cannot distinguish between forest fires and other types of fires.
2. Both Tamil Nadu and Odisha use advanced predictive modelling to help identify high-risk areas based on climatic and geographic data.
3. Ground Fires are sustained by glowing combustion (without flames) and can go undetected for a long time.
4. Crown Fires are the most unpredictable fires; due to their nature, it is challenging to control this type of fire.

How many of the statements given above are correct?

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

58. Consider the following statements:

1. Slow-moving thunderstorms
2. Thunderstorms repeatedly moving over the same area
3. Cloud Bursts
4. Tropical storms

In which of the above phenomena caused flash flooding to occur?

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

59. With reference to the Sendai framework, which of the following is correct?

- (a) It provides the framework for the conservation and wise use of wetlands and their resources.
- (b) It focuses on the adoption of measures which address the three dimensions of disaster risk, including exposure to hazards, vulnerability and capacity.
- (c) It aims to halt and reverse biodiversity loss by 2030.
- (d) It is a collaborative framework to ensure a more inclusive and sustainable approach to ocean conservation in the wider Caribbean region.

60. Consider the following statements regarding Marine heatwaves (MHWs):

1. It occurs when the surface temperature of a particular region of the sea rises to 3 or 4 degrees Celsius above the average temperature for at least five days.
2. MHWs have the potential to persist over multi-year periods.
3. MHWs have been recorded in surface and deep waters, across all latitudes, and in all types of marine ecosystems.
4. MHWs can reduce the reproductivity of corals and make them more vulnerable to life-threatening diseases.

Which of the above statements is/are correct?

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

61. Recently, Researchers have discovered the world's deepest blue hole, named Tam Ja Blue Hole (TJBH), It was initially thought to be the second deepest, but recent measurements have now recorded it at a depth of more than 1,380 feet (420 m) below mean sea level (mbSL), surpassing all other blue holes known to date, which is located in?

- (a) Gulf of Ob (Arctic Ocean)
- (b) Gulf of Alaska (Pacific Ocean)
- (c) Mexico's Chetumal Bay (Atlantic Ocean)
- (d) Gulf of Oman (Indian Ocean)

62. Consider the following pairs:

S. no.	Era	Life/Major Events
1.	Pre-Cambrian	Age of Dinosaurs
2.	Palaeozoic	First trace of Plants
3.	Mesozoic	Extinction of Dinosaurs
4.	Cenozoic	Flowering plants and Trees

In how many of the above pairs is the given information correctly matched?

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

63. Which of the following is evidence of the concept of Seafloor Spreading?

- I. The Ocean Crust rocks are much older than the continental rocks.
- II. The Sediments on the ocean floor are very thin.
- III. The age of rocks decreases as one moves away from the crust of the mid-oceanic ridge.

Select the correct answer using the code given below.

- (a) I only
- (b) II only
- (c) I, II and III
- (d) II and III only

64. Which one of the following is the characteristic Climate of the Steppe Region?

- (a) Rainfall throughout the year
- (b) The annual range of temperature is low
- (c) They lie along the Trade wind belt
- (d) Practically treeless, and the grasses are much shorter

65. Consider the following Statements:

Statement I : Basaltic lavas are highly fluid in nature due to low silica content.

Statement II : The Basic lavas result in the formation of Shield volcanoes.

Which one of the following is correct with respect to the above statements?

- (a) Both Statement I and Statement II are correct, and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct, but Statement II does not explain Statement I
- (c) Statement I is correct, but Statement II is not correct
- (d) Statement I is not correct, but Statement II is correct

66. Consider the following with respect to the Tropical and Extra-Tropical Cyclone:

- 1. Both can originate over the seas.
- 2. Both develop a clear frontal system.
- 3. They move under the influence of Trade winds and Westerlies, respectively.

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

67. Consider the following pairs:

Grasslands	Region
1. Pustaz	- Hungary
2. Pampas	- Uruguay
3. Canterbury	- New Zealand
4. Veld	- Australia

How many of the pairs given above are correctly matched?

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

68. With reference to the River Kafue, which was recently seen in the news, consider the following statements:

- 1. It is a major tributary of the River Zambezi.
- 2. It flows entirely within Zambia.

Which of the above statements is/are correct?

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

69. Which of the following best describes 'Thermocline'?

- (a) Region of increasing temperature in Earth's Atmosphere that is located above the mesosphere.
- (b) A boundary region below the sea surface from where there is a rapid decrease in temperature.
- (c) A boundary separating Earth's Atmosphere and outer space.
- (d) A zone around a star where it is not too hot and not too cold for liquid water to exist.

70. Consider the following statements:

- 1. Uniformity of temperatures throughout the year.
- 2. Well-distributed precipitation around the year with low amounts along the summer and winter solstices.
- 3. Heavy downpours of convectional rain every afternoon.

Which of the following climates is described above ?

- (a) Equatorial Climate
- (b) China-type Climate
- (c) Humid subtropical Climate
- (d) Cool Temperate Western Margin climate

71. This type of Mass Movement occurs in the absence of vegetation cover and with heavy rainfall, thick layers of weathered materials get saturated with water, flowing either slowly or rapidly down along definite channels.

Which of the following types of Mass Movement is described above?

- (a) Creep
- (b) Slump
- (c) Mudflow
- (d) Avalanche

72. Consider the following information:

Place in News	Significance/ Reason
1. Chernobyl	A nuclear power plant in Russia that was allegedly attacked during the ongoing conflict with Ukraine
2. Kasso	A commercial scale e-methanol power plant in Denmark
3. Hodeidah	A Red Sea port in Yemen that was attacked during the conflict between Israel and the Houthis

Which of the above pairs are correctly matched?

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

73. Which one of the following ocean currents is responsible for moderating winter temperatures in North-western Europe?

- (a) Gulf Stream
- (b) Norwegian Current
- (c) Labrador Current
- (d) North Atlantic Drift

74. Which one of the following climates is known for the practice of truck farming or market gardening?

- (a) The Laurentian Climate
- (b) The British Climate
- (c) The Steppe Climate
- (d) The Siberian Climate

75. Consider the following statements:

Statement I :

The drainage pattern is called Dendritic drainage due to its Tree-like appearance.

Statement II :

In a dendritic drainage pattern, the tributaries will join the main valley at a right angle as subsequent streams.

Which one of the following is correct with respect to the above statements?

- (a) Both Statement I and Statement II are correct, and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct, but Statement II does not explain Statement I
- (c) Statement I is correct, but Statement II is not correct
- (d) Statement I is not correct, but Statement II is correct

76. Which one of the following activities is a major source of revenue in regions of the Siberian Climate?

- (a) Lumbering
- (b) Horticulture
- (c) Viticulture
- (d) All the above

77. Consider the following with respect to the solar insolation:

Statement I :

The annual insolation received by the Earth on 4th July is less than that on 3rd January.

Statement II :

This is due to the perihelion and aphelion position of Earth with respect to the sun.

Which one of the following is correct with respect to the above statements?

- (a) Both Statement I and Statement II are correct, and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct, but Statement II does not explain Statement I
- (c) Statement I is correct, but Statement II is not correct
- (d) Statement I is not correct, but Statement II is correct

78. Consider the following:

1. It is frozen raindrops or refrozen melted snow-water.
2. It occurs when a warm layer of air lies above a layer of air below freezing at the Earth's surface.

Which of the following precipitation types is described above?

- (a) Hailstones
- (b) Sleet
- (c) Snow
- (d) Dew

79. The term 'Exfoliation' denotes:

- (a) Angular fragments of rocks that are prised from mountain-sides and fall down the slope, where they are accumulated.
- (b) Slow, gradual but more or less continuous movement of soil down hillslopes.
- (c) Gradual splitting of surface layers of rounded boulders, one after another.
- (d) Splitting of individual grains within rocks, which eventually fall off.

80. Consider the following statements:

1. Receives steady rainfall from the trade winds throughout the year.
2. The climatic region is prone to severe tropical cyclones.

Which among the following climates is described above?

- (a) Tropical Monsoon Climate
- (b) Tropical Marine Climate
- (c) Natal Type Climate
- (d) China-type Climate

81. In West Africa, the North-East Trades blow offshore from the Saharan Desert and reach the Guinea Coast as a dry, dust-laden wind. It is so dry that its relative humidity seldom exceeds 30 per cent. The wind provides a welcome relief from the damp air of the Guinea lands by increasing the rate of evaporation with resultant cooling effects. The wind is locally called:

- (a) Sirocco
- (b) Harmattan
- (c) Khamsin
- (d) Simoom

82. Consider the following with respect to the Masai tribes of Africa:

1. They are settled cultivators who inhabit the central highlands of Kenya, Uganda and Tanzania.
2. They domesticate cattle and goats for both milk and meat.

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. Consider the following statements:

Statement I :

Southern Europe get most of their rainfall during winter.

Statement II :

Pressure belts shift southward when the sun is overhead over the Tropic of Capricorn.

Which one of the following is correct with respect to the above statements?

- (a) Both Statement I and Statement II are correct, and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct, but Statement II does not explain Statement I
- (c) Statement I is correct, but Statement II is not correct
- (d) Statement I is not correct, but Statement II is correct

84. **Assertion (A) :** The Tarai belt is marshy and swampy with luxurious vegetation.

Reason (R) : Rivers re-emerge in the Tarai without properly defined channels, causing swampy conditions.

- (a) Both Assertion and Reason are true, and Reason is the correct explanation of Assertion
- (b) Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion
- (c) Assertion is true, but Reason is false
- (d) Assertion is false, but Reason is true

85. Consider the following:

- 1. Absence of shade is the distinct feature of this Climate.
- 2. These Climatic conditions don't suit grass growth.
- 3. Viticulture is the predominant occupation.

Which of the following climatic regions has the above characteristics?

- (a) British Climate
- (b) Mediterranean Climate
- (c) Steppe climate
- (d) Siberian Climate

86. Consider the following countries:

- I. Turkey
- II. Jordan
- III. Syria
- IV. Saudi Arabia
- V. Iraq
- VI. Iran

The Zagros mountains pass through how many of the above countries?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) Only five

87. Consider the following statement:

- 1. All the sedimentary rocks have different strata of different types of sediments.
- 2. Most of the sedimentary rocks are ex-situ rocks.

Which of the above statements is/are correct?

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

88. The Philadelphia corridor, recently in the news, connects which of the following regions?

- (a) United States and Canada
- (b) United States and Mexico
- (c) West Bank and Israel
- (d) Gaza and Egypt

89. Recently, Suweyda province in Syria caught the international attention for which one of the following reasons?

- (a) Discovery of rich deposits of rare earth elements
- (b) Israel captures through military action
- (c) Inter-ethnic violence
- (d) Volcanic eruption

90. With reference to passion fruit, consider the following statements:

- 1. It is generally cultivated in tropical regions of the world.
- 2. It is native to the USA.

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

91. With reference to recent data on migration and remittances from the Reserve Bank of India, consider the following statements:

- 1. Better job opportunities act as a Push factor in migration.
- 2. There is an increase in migration to the Gulf from India's Northern States compared to that of Southern States.
- 3. Southern States of India receive more remittances from the Gulf compared to Northern States.

How many of the above statements is/are correct?

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

92. With reference to aluminium, consider the following statements:

- 1. China is the world's leading producer with a ninety per cent share in global production.
- 2. It is used in the production of pharmaceuticals.
- 3. India's per capita consumption of aluminium is the highest in the world.

How many of the above statements is/are correct?

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

93. The eye of the Tropical cyclone has

- (a) High temperature and low pressure
- (b) High temperature and high pressure
- (c) Low temperature and low pressure
- (d) Low temperature and high pressure

94. Cloud seeding is a method of intentional weather modification used in attempts to

- (a) Disperse fog
- (b) Suppress hail
- (c) Produce precipitation
- (d) Disperse clouds

95. Consider the following:

- 1. North Macedonia
- 2. Moldova
- 3. Bulgaria
- 4. Hungary

Which one of the above countries is/are landlocked?

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

96. Consider the following statement:

- 1. All the lakes are situated above the mean sea level.
- 2. The Aral Sea and the Caspian Sea are examples of lakes of Tectonic origin.

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

97. The popular cotton and corn belts of the USA experience which one of the following climates?

- (a) The Warm Temperate Eastern Margin Climate
- (b) The Savanna or Sudan Climate
- (c) Cool Temperate Western Margin Climate
- (d) The Warm Temperate Western Margin Climate

98. Select the correct pair of cities in the automobile industry of the world.

- (a) Detroit, Turin, Oslo, Windsor
- (b) Windsor, Turin, Coventry, Oslo
- (c) Coventry, Detroit, Milan, Oslo
- (d) Windsor, Turin, Coventry, Chennai

99. Consider the following rows:

S. NO.	Type of Earthquake Wave	Medium of Propagation	Shadow Zone
1.	P-wave	Solid and liquid only	145° to 180°
2.	S-wave	Solid only	105° to 180°

Which of the Rows given above are correctly matched?

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

100. Consider the following statements:

- 1. Monazite is used in the production of Rare-Earth Elements (REEs) in India.
- 2. Monazite is only found on the coasts of India.
- 3. Neodymium is an REE that can be extracted from monazite reserves.
- 4. India extracts Neodymium and Praseodymium with more than ninety per cent purity.

How many of the above statements is/are correct?

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