



[www.hemantra.com](http://www.hemantra.com)

TEST CODE : 261105

**2026**

Time Allowed: Two Hours

TEST BOOKLET  
GENERAL ABILITY AND  
INTELLIGENCE

Test Booklet Series

**A**

MAXIMUM MARKS 250

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 **125** 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 ALL THE QUESTIONS .

(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.

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO**

[www.hemantra.com](http://www.hemantra.com)

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

1. The time at  $180^\circ$  longitude is exactly 12 hours from the  $0^\circ$  longitude, irrespective of direction of travel.

2. A person moving eastward on Tuesday will count the day as Wednesday once the International Date Line is crossed.

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

2. Consider the following statements regarding biological weathering:

1. It involves both physical and chemical processes induced by living organisms.

2. Lichens and mosses contribute to weathering by secreting acids that dissolve rock minerals.

3. Burrowing animals contribute to biological weathering only through chemical means.

Which of the statements given above is/are correct?

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

3. Which of the following statements regarding *shield volcanoes* is/are correct?

1. Shield volcanoes are built from high-viscosity andesitic lava.

2. Their eruptions are generally less explosive compared to stratovolcanoes.

3. Mauna Loa in Hawaii is one of the best examples of a shield volcano.

Select the correct answer using the code below:

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

4. Which of the following National Waterways is entirely located within the state of Kerala?

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

5. Which of the following pairs is correctly matched?

Phenomenon	Description
(a) Perihelion	Earth farthest from the Sun
(b) Aphelion	Earth closest to the Sun
(c) Solstice	Longest or shortest day of the year
(d) Equinox	Days and nights unequal everywhere

6. Which of the following best describes the Jet Streams?

- (a) Winds blowing at the surface of the Earth due to land-sea temperature differences  
(b) Narrow belts of high-velocity winds found in the upper troposphere around 9–14 km altitude  
(c) Local winds restricted to mountain valleys  
(d) Winds caused by the Coriolis force near the equator

7. Which of the following statements correctly describes the Big Bang Theory of the origin of the Universe?

- (a) The Universe is static and has always existed in its present form.  
(b) The Universe originated from a massive explosion that led to its continuous expansion.  
(c) The Sun and stars were formed from primordial hydrogen without any explosive event.  
(d) The Universe is contracting under gravitational pull and will eventually collapse.

8. Which one of the following pairs is correctly matched regarding soil type and its major crop?

Soil Type	Major Crop
(a) Laterite soil	Tea and coffee
(b) Red soil	Wheat and barley
(c) Alluvial soil	Cotton
(d) Peaty soil	Pulses

9. Which one of the following statements best describes a diurnal tide?

- (a) One high tide and one low tide each day
- (b) Two high tides and two low tides each day
- (c) Unequal successive high tides each day
- (d) High tides occurring only at Full Moon

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

1. Standard time is adopted by a country so that all places within its territory can share a uniform time, even if they lie in different longitudes.
2. In India, the standard meridian chosen is  $82^{\circ} 30' E$ , and the difference in local sunrise time between the extreme east and extreme west of the mainland is about 2 hours.

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

11. With reference to chemical weathering, consider the following statements:

1. Oxidation refers to the reaction of minerals with atmospheric oxygen, often producing oxides of iron.
2. Carbonation is more effective in dry climates due to lesser carbon dioxide concentration.
3. Both oxidation and carbonation alter the chemical composition of the parent rock.

Which of the statements given above is/are correct?

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

12. Consider the following pairs:

Type of Volcanic Material	Description
1. Pumice	Fragmented materials like ash, lapilli, and bombs
2. Pyroclasts	Light, porous rock formed from frothy lava
3. Basalt	Dark, dense rock from mafic lava

Which of the pairs given above are correctly matched?

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

13. Stalactites and stalagmites are formed due to which of the following processes?

- (a) Mechanical erosion by rivers
- (b) Deposition by groundwater
- (c) Melting of glaciers
- (d) Deposition by wind

14. At which of the following lunar phases do spring tides occur?

- (a) First and third quarter
- (b) New Moon and Full Moon
- (c) Waxing crescent and Waning crescent
- (d) None of the above

15. Consider the following statements regarding the rotation of the Earth:

1. Since the Earth rotates by  $15^\circ$  each hour, time zones normally differ by one hour
2. At the International Date Line, the calendar day changes — advancing a day for eastward travel, dropping back a day for westward travel
3. Daylight saving time advances the clock by one hour
4. The Moon rotates and revolves about the Earth in the same direction that the Earth revolves around the Sun

Which of the statements given above is/are correct?

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

16. Which of the following is the most important factor influencing soil formation?

- (a) Parent rock (b) Climate  
(c) Vegetation (d) Time

17. Which of the following statements regarding Alluvial soils in India is/are correct?

1. They are formed by the deposition of silt and sediments brought by rivers.
  2. They are deficient in humus but rich in phosphoric acid and potash.
  3. They are found only in the Indo-Gangetic plain.
- (a) 1 and 2 only (b) 2 and 3 only  
(c) 1 only (d) 1, 2 and 3

18. Which of the following pairs is *correctly matched*?

Wind Type	Region
1. Bora	The Alps
2. Mistral	France
3. Sirocco	North America
4. Chinook	Mediterranean

Select the correct code:

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

19. Which of the following pairs is correctly matched?

Soil-forming process	Characteristic
1. Laterization	Removal of silica and accumulation of iron/aluminium
2. Calcification	Accumulation of calcium carbonate in upper horizon
3. Podsolization	Accumulation of bases in topsoil
4. Gleization	Formation of greyish-blue soil due to waterlogging

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

20. Which one of the following correctly represents the sequence of soil horizons from top to bottom?

- (a)  $A \rightarrow O \rightarrow B \rightarrow C \rightarrow R$   
(b)  $O \rightarrow A \rightarrow B \rightarrow C \rightarrow R$   
(c)  $A \rightarrow B \rightarrow C \rightarrow R \rightarrow O$   
(d)  $O \rightarrow B \rightarrow A \rightarrow C \rightarrow R$

21. Which of the following statements regarding India's faunal diversity is/are correct?

1. India accounts for about 7–8% of the world's recorded species.
  2. India ranks among the top 10 megadiverse countries of the world.
  3. The highest faunal diversity in India is found in the Indo-Gangetic plains.
- (a) 1 and 2 only (b) 1 and 3 only  
(c) 2 and 3 only (d) 1, 2 and 3

22. Which of the following pairs is correctly matched?

Biosphere Reserve	Characteristic Species
(a) Nokrek	Red Panda
(b) Gulf of Mannar	Himalayan Monal
(c) Sundarbans	Snow Leopard
(d) Nilgiri	Olive Ridley Turtle

23. Which of the following statements is/are correct about *Abyssal Plains*?

1. They are among the flattest and smoothest regions on Earth.
2. They are covered by thick layers of sediments deposited by turbidity currents.
3. They are mostly found near convergent plate boundaries.

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

24. Which of the following sequences correctly arranges the oceanic features from the shore to the deep ocean floor?

- (a) Continental slope → Continental shelf → Abyssal plain → Trench  
(b) Continental shelf → Continental slope → Abyssal plain → Trench  
(c) Continental rise → Abyssal plain → Continental shelf → Trench  
(d) Continental shelf → Abyssal plain → Continental rise → Trench

25. Consider the following statements with reference to salt weathering:

1. Salts in rocks expand due to thermal action, hydration and crystallization.
2. Salts like calcium, sodium, magnesium and barium have a tendency to expand.
3. Salt weathering is a typical example of chemical weathering.

Which of the statements given above is/are correct?

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

26. Which of the following types of mass movements are categorized as rapid movements?

1. Creep
2. Mudflow
3. Solifluction
4. Slump

Select the answer using the code given below.

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

27. Which of the following factors most significantly reduces the stability of a slope and thereby increases the risk of mass movement?

1. Planting vegetation on the slope
2. Slope undercutting by a river or road at the base
3. High infiltration of water causing pore-water pressure and lubrication
4. Presence of rock strata with inclination (dip) downward in the same direction as the slope

Select the correct code:

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

28. Which of the following pairs of agents and associated landforms is correctly matched?

Agent	Landform
(a) Wind —	Cirque
(b) Glacier —	Moraine
(c) Sea Waves —	Loess
(d) River —	Mushroom Rock

29. Which one of the following sequences correctly represents the stages of river landform development?

- (a) Gorge → Meander → Delta  
(b) Meander → Gorge → Delta  
(c) Delta → Meander → Gorge  
(d) Meander → Delta → Gorge

30. Deflation hollows and mushroom rocks are features produced by which of the following geomorphic agents?

- (a) Running water  
(b) Glacier  
(c) Wind  
(d) Underground water

31. Which one of the following correctly matches the cosmic feature with its description?

Feature	Description
A. Nebula	1. A group of billions of stars held by gravity
B. Galaxy	2. A massive cloud of dust and gas where stars form
C. Supernova	3. Explosion marking the death of a massive star

Select the correct match using the code below:

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

32. Consider the following statements regarding the Indian Ocean Currents:

1. The currents in the northern Indian Ocean reverse their direction with the change of monsoon.
2. The West Australian Current is a warm current.
3. The Agulhas Current flows along the east coast of Africa.

Which of the statements given above is/are correct?

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

33. Which of the following factors primarily influences the variation of temperature between coastal and inland areas?

- (a) Altitude
- (b) Ocean currents
- (c) Continentality
- (d) Latitude

34. Which one of the following countries does not border the Black Sea?

- (a) Romania
- (b) Bulgaria
- (c) Armenia
- (d) Georgia

35. Which of the following pairs is correctly matched?

Port	Feature
1. Kandla	Tidal port located in Rann of Kachchh
2. Cochin	Lagoon harbour on the Malabar Coast
3. Paradip	Riverine port on Mahanadi delta

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

36. The Mangrove Forest Cover in India (ISFR 2023) increased by 0.93% mainly due to which of the following reasons?

- (a) Natural expansion due to monsoon floods
- (b) Active afforestation and restoration projects by coastal states
- (c) Decline in agriculture near coastal areas
- (d) Invasive species like Prosopis juliflora replacing native trees

37. Which of the following ports is being developed as India's first International Trans-shipment Port (ITP) under the Sagarmala Programme?

- (a) Mumbai
- (b) Vadhavan
- (c) Vizhinjam
- (d) Ennore

38. Consider the following pairs:

Type of Precipitation	Typical Mechanism
1. Cyclonic rainfall	Uplift of heated air due to intense insolation
2. Orographic rainfall	Air lifted over mountains
3. Convective rainfall	Convergence of air around low pressure

Which of the pairs given above are correctly matched?

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



39. Which of the following pairs is correctly matched?

Rock Type	Example
1. Igneous	Marble
2. Sedimentary	Sandstone
3. Metamorphic	Slate

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

40. The Earth's albedo refers to which of the following?

- (a) The total energy absorbed by the Earth's surface  
(b) The ratio of reflected radiation to incident solar radiation  
(c) The heat capacity of the atmosphere  
(d) The greenhouse effect

41. The Horn of Africa, frequently in the news due to Red Sea security issues, includes which of the following countries?

1. Somalia  
2. Eritrea  
3. Ethiopia  
4. Sudan

Select the correct answer using the code below:

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

42. Match List I (Forest Type) with List II (Representative Region) and select the correct code:

List I (Forest Type)	List II (Region)
A. Littoral Forest	1. Nilgiris
B. Montane Forest	2. Western Ghats
C. Thorn Forest	3. Sundarbans Delta
D. Tropical Evergreen	4. Rajasthan

Codes:

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

43. Which of the following pairs is correctly matched?

Ocean Current	Character
1. Humboldt Current –	Warm current in the Pacific Ocean
2. Gulf Stream –	Warm current in the Atlantic Ocean
3. Labrador Current –	Warm current in the Atlantic Ocean

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

44. The recently inaugurated Ultra Mega Renewable Energy Power Park (UMREPP) at Khavda is located in which state?

- (a) Rajasthan  
(b) Gujarat  
(c) Tamil Nadu  
(d) Madhya Pradesh

45. Which one of the following statements about Basalt is correct?

- (a) It is an intrusive igneous rock with coarse grains.  
(b) It is an extrusive igneous rock formed from rapid cooling of lava.  
(c) It is a metamorphic rock formed from granite.  
(d) It is a sedimentary rock found mainly in limestone belts.

46. Consider the following statements:

1. Foliation is a characteristic feature of metamorphic rocks.  
2. Sedimentary rocks are crystalline in texture.  
3. Igneous rocks are formed by deposition and compaction of sediments.

Which of the statements given above is/are correct?

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

47. Which of the following is/are true about temperature inversion?

1. Temperature increases with height instead of decreasing.
2. Often occurs during clear nights with calm air.
3. Leads to trapping of pollutants near the surface.

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

48. The Murray-Darling River System is crucial for Australian agriculture. Which of the following statements about it is correct?

- (a) It flows entirely within Western Australia and drains into the Pacific Ocean.
- (b) It flows mainly through arid interiors and supports the wheat-sheep belt.
- (c) It originates in the north and flows toward the Great Barrier Reef.
- (d) It forms a delta on the Indian Ocean near Perth.

49. Which of the following statements about Tropical Deciduous Forests in India is/are correct?

1. They are found in areas with annual rainfall between 100 cm and 200 cm.
2. Teak, sal, and bamboo are the characteristic trees.
3. They shed leaves during the monsoon season to conserve water.

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

50. Which of the following forest types acts as the major carbon sink due to dense canopy and high biomass storage?

- (a) Montane forests
- (b) Tropical evergreen forests
- (c) Temperate forests
- (d) Littoral mangrove forests

51. Which of the following is/are erosional landforms created by glaciers?

1. Cirque                                      2. Esker
3. U-shaped valley

Select the correct answer using the code given below:

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

52. Which of the following industrial regions is known as the "Rust Belt"?

- (a) Ruhr Region of Germany
- (b) Great Lakes Region of North America
- (c) Donbas Region of Ukraine
- (d) Chota Nagpur Region of India

53. Which of the following statements correctly differentiates between intensive and extensive farming?

1. Intensive farming uses more labour and capital per unit area, while extensive farming uses more land with lower input per unit area.
2. Extensive farming is common in densely populated regions, while intensive farming is prevalent in sparsely populated areas.
3. Wheat cultivation in the USA and Canada is an example of extensive farming.

Select the correct answer using the code below:

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

54. Which of the following pairs of agricultural types and regions is correctly matched?

Agricultural Type	Major Region
(a) Plantation Agriculture	Assam and Kerala
(b) Dairy Farming	Sahara Desert
(c) Nomadic Herding	Western Europe
(d) Mixed Farming	Arctic Region

55. Which of the following statements about the Peninsular Plateau of India are correct?

1. It is one of the oldest and most stable landmasses of the Earth.
  2. The Eastern Ghats are higher than the Western Ghats.
  3. The plateau is largely composed of igneous and metamorphic rocks.
- (a) 1 and 2 only                      (b) 2 and 3 only  
(c) 1, 2 and 3                      (d) 1 and 3 only



56. The Indus River System mainly drains through which physiographic region of India?

- (a) The Northern Mountains
- (b) The Great Northern Plains
- (c) The Peninsular Plateau
- (d) The Coastal Plains

57. The difference in duration of day and night increases progressively from the Equator towards the poles because:

- (a) The distance between parallels of latitude decreases.
- (b) The inclination of the Earth's axis causes variation in the angle of sunlight.
- (c) The rotational speed of the Earth decreases towards the poles.
- (d) The Earth's atmosphere refracts sunlight differently at different latitudes.

58. Shifting cultivation, also known as Jhuming in Northeast India, is primarily practiced due to which of the following reasons?

- (a) High population pressure and limited land availability
- (b) Traditional practice in areas with dense forests and tribal populations
- (c) Mechanized large-scale agriculture in plains
- (d) Arid climate unsuitable for settled agriculture

59. Which of the following correctly pairs the industrial region with its dominant resource base?

Region	Dominant Resource
1. Ruhr (Europe)	Coal & Iron
2. Osaka-Kobe (Japan)	Hydropower
3. Eastern China	Coal & Minerals
4. Po Basin (Italy)	Petroleum

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

60. Which of the following pairs is correctly matched?

Industrial Region	Major Country
1. Ruhr	Germany
2. Donetsk	USA
3. Kuznetsk	Russia
4. Great Lakes	Japan

Select the correct answer using the code below:

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

61. The Malda Fault Zone, a significant geological structure in India, separates which two physiographic divisions?

- (a) Chotanagpur Plateau and Eastern Ghats
- (b) Ganga Plains and Brahmaputra Plains
- (c) Aravalli Hills and Thar Desert
- (d) Narmada Valley and Satpura Range

62. Which of the following differentiates between fold mountains and block mountains. Which of the following is/are incorrect

Feature	Fold Mountain	Block Mountain
(a) Origin	Tensional forces	Compressional forces
(b) Example	Himalayas	Vindhyas
(c) Structure	Wave-like folds	Uplifted blocks
(d) All of the above		

63. Which of the following pairs is correctly matched?

Grassland	Continent
(a) Downs —	Africa
(b) Pampas —	South America
(c) Prairies —	Australia
(d) Steppes —	North America

64. Match the following grasslands with their main economic activity:

Grassland	Main Activity
A. Pampas	1. Sheep rearing
B. Prairies	2. Cattle ranching
C. Veldt	3. Wheat cultivation

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

65. Which of the following correctly lists the world's major natural vegetation belts from Equator to Poles?

- (a) Tundra → Coniferous → Temperate Grassland → Tropical Deciduous → Tropical Rainforest  
 (b) Tropical Rainforest → Tropical Deciduous → Temperate Grassland → Coniferous → Tundra  
 (c) Desert → Temperate Deciduous → Tundra → Taiga → Rainforest  
 (d) Tropical Deciduous → Tundra → Mediterranean → Desert

66. Which of the following statements about Oilseeds in India is/are correct?

- India is one of the largest producers of oilseeds in the world.
- Groundnut, mustard, and soybean together account for over 80% of India's total oilseed production.
- Oilseeds are primarily Rabi crops across India.

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

67. Which of the following statements about the Western Coastal Plains of India are correct?

- They are narrower than the Eastern Coastal Plains.
- The Konkan Coast lies between Goa and Kochi.
- The plains are formed by the deposition of the rivers flowing from the Western Ghats.

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

68. Which of the following mountain systems is youngest in geological age?

- (a) Aravalli Range  
 (b) Western Ghats  
 (c) Himalayas  
 (d) Vindhyan Range

69. Which of the following plate boundaries passes closest to the Andaman and Nicobar Islands?

- (a) Indian and Australian Plates  
 (b) Indian and Pacific Plates  
 (c) Indian and Eurasian Plates  
 (d) Indo-Australian and Sunda Plates

70. Consider the following mountain ranges and their locations:

Range	Location
1. Andes	North America
2. Rockies	South America
3. Atlas	Africa
4. Alps	Europe

Which of the pairs given above are correctly matched?

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

71. With reference to the adiabatic lapse rate, consider the following statements:

- It refers to the rate of temperature change of a rising or descending air parcel.
- The dry adiabatic lapse rate is lower than the saturated adiabatic lapse rate.
- The difference arises because condensation releases latent heat.

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

72. Which of the following best explains why airlines use Great Circle routes for long-distance travel?

- (a) Great Circles help aircraft avoid turbulence over equatorial regions.
- (b) Great Circle routes represent the shortest distance between two points on a sphere.
- (c) Great Circles ensure constant altitude throughout the journey.
- (d) Great Circle routes reduce exposure to magnetic poles.

73. Consider the following statements about thematic maps:

1. Thematic maps focus on specific subjects such as rainfall, population, or soil types.
2. Thematic maps cannot represent quantitative data.
3. Choropleth maps are a type of thematic map that use shading or color to depict variations.

Which of the statements given above are correct?

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

74. Which of the following processes primarily leads to the formation of podzolic soils?

- (a) Intense leaching of bases and iron under acidic conditions
- (b) Accumulation of salts in upper horizons due to evaporation
- (c) Reduction of iron under waterlogged anaerobic conditions
- (d) Concentration of calcium carbonate under dry conditions

75. Consider the following pairs:

Energy Project	Type
1. Khavda Project (Gujarat)	Geothermal Power Project
2. Kudankulam (Tamil Nadu)	Nuclear Power Plant
3. Teesta (Sikkim)	Hydroelectric Project

Which of the pairs given above are correctly matched?

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

76. Which of the following statements about the Trans-Andean Railway is correct?

- (a) Connects Buenos Aires in Argentina to Santiago in Chile across the Andes Mountains.
- (b) Runs from Lima to La Paz through the Atacama Desert.
- (c) Connects Bogotá to Caracas through the Orinoco Basin.
- (d) Links Rio de Janeiro to Montevideo along the coastal plains.

77. Which of the following countries are connected by the North–South Transport Corridor (INSTC)?

- (a) India, Iran, Russia
- (b) India, China, Kazakhstan
- (c) India, Turkey, Greece
- (d) Russia, Japan, Indonesia

78. Consider the following pairs:

Crop	Suitable Agro-climatic Conditions
1. Rice	High temperature and heavy rainfall
2. Wheat	Cool growing season and bright sunshine at ripening
3. Cotton	High rainfall and humid conditions throughout the year

Which of the pairs given above are correctly matched?

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

79. The Andes Mountains differ from the Himalayas primarily in which of the following aspects?

- (a) The Andes were formed by oceanic–continental convergence, while the Himalayas were formed by continental–continental convergence.
- (b) The Andes are older and primarily residual mountains.
- (c) The Andes are block mountains, while the Himalayas are volcanic in origin.
- (d) Both have formed due to the divergence of plates.

80. Which of the following factors influence the horizontal distribution of temperature on the Earth's surface?

1. Latitude
2. Altitude
3. Ocean Currents
4. Vegetation Cover

Select the correct answer using the code given below:

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

81. Which one of the following statements regarding Small Circles is correct?

- (a) They divide the Earth into equal halves.  
(b) The Equator is a small circle.  
(c) They do not share the same centre as the Earth.  
(d) They are used to determine shortest routes between places.

82. Consider the following statements regarding modern cartography:

1. GIS (Geographic Information System) integrates satellite data, maps, and ground surveys for spatial analysis.
2. The Survey of India is the national mapping agency responsible for maintaining topographic maps.
3. Remote sensing is unrelated to cartography as it deals only with climate data.

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

83. Which of the following statements about Nuclear Energy in India is correct?

- (a) India's nuclear power plants operate only on imported uranium.  
(b) The three-stage nuclear programme aims at long-term energy sustainability using thorium.  
(c) The Kudankulam Nuclear Power Plant uses heavy water as both moderator and coolant.  
(d) India's first nuclear plant was established at Kalpakkam, Tamil Nadu.

84. Which of the following is the correct sequence of energy sources in India in terms of their contribution to total installed electricity capacity (2024–25)?

- (a) Thermal > Renewable > Hydro > Nuclear  
(b) Renewable > Thermal > Hydro > Nuclear  
(c) Thermal > Hydro > Renewable > Nuclear  
(d) Hydro > Renewable > Thermal > Nuclear

85. The Panama Canal connects which of the following two water bodies?

- (a) Red Sea and Mediterranean Sea  
(b) Atlantic Ocean and Pacific Ocean  
(c) Caribbean Sea and Indian Ocean  
(d) North Sea and Baltic Sea

86. Which of the following pairs is correctly matched?

Crop	Leading Producer (State/Region)
1. Ragi	Karnataka
2. Tea	Assam
3. Sugarcane	Gujarat

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

87. Which one of the following pairs is correctly matched?

Region	Natural Vegetation
(a) Equatorial region	Coniferous forests
(b) Mediterranean region	Evergreen rainforests
(c) Tropical Monsoon region	Deciduous forests
(d) Tundra region	Tropical thorn scrub

88. The Savanna vegetation is characterized by:

- (a) Dense evergreen canopy and high rainfall throughout the year  
(b) Grasslands with scattered trees, alternating wet and dry seasons  
(c) Coniferous trees with needle-shaped leaves  
(d) Thorny bushes adapted to arid conditions

89. Recently, the “Himalayan Glacier Status Report 2025” was released by the Geological Survey of India. Which of the following findings were highlighted in the report?

1. Most Himalayan glaciers are retreating at varying rates across basins.
2. The rate of retreat is highest in the eastern Himalayas.
3. The Karakoram Range continues to show glacial fragility.

Select the correct answer using the code given below:

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

90. Which of the following statements about the Trans-Himalayan Region is correct?

1. It lies to the south of the Great Himalayas.
2. It includes the Karakoram, Ladakh, and Zaskar ranges.

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

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

River	Tributary	Flows Into
1. Yamuna	Chambal	Ganga
2. Ghaghara	Gandak	Brahmaputra
3. Godavari	Indravati	Bay of Bengal

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

92. Which of the following statements about the Indus River System are correct?

1. The Sutlej River originates from Rakshastal Lake in Tibet.
2. The Beas River joins the Chenab before meeting the Sutlej.
3. The Jhelum River flows through the Wular Lake in Kashmir.

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

93. Consider the following statements regarding Peninsular Rivers:

1. Most Peninsular rivers are seasonal, depending on rainfall.
2. Peninsular rivers exhibit meandering and formation of ox-bow lakes.
3. Peninsular rivers generally have narrow catchment areas and flow through hard rock terrain.

Which of the statements given above are correct?

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

94. Which of the following wetlands were declared as Ramsar Sites in India in the first half of 2025, just before World Environment Day (5 June)?

- (a) Khichan Wetland and Menar Wetland — both in Rajasthan
- (b) Sakkarakottai Bird Sanctuary and Therthangal Bird Sanctuary — both in Tamil Nadu
- (c) Khecheopalri Wetland in Sikkim and Udhwa Lake in Jharkhand
- (d) All of the above

95. Which of the following statements about the Deccan Traps is/are correct?

1. The Deccan Traps were formed due to fissure-type volcanic eruptions.
2. The basaltic lava flows of the Deccan Traps are among the thickest in the world.
3. The formation of Deccan Traps coincides with the extinction of dinosaurs at the end of the Cretaceous period.

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

96. The Zoji La Pass, frequently mentioned in news for the construction of India's longest bi-directional tunnel, lies between which regions?

- (a) Srinagar and Leh
- (b) Shimla and Kullu
- (c) Gangtok and Tawang
- (d) Imphal and Kohima



97. Which of the following pairs is correctly matched?

Geomorphic Process	Typical Region
1. Frost Heaving	Hot desert
2. Solifluction	Periglacial area
3. Karstification	Tropical rainforest

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

98. Which of the following statements correctly describes the Mesozoic Era?

1. It is known as the "Age of Dinosaurs."
2. It witnessed the first appearance of birds and mammals.
3. It ended with the Cretaceous–Paleogene extinction event.

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

99. Which of the following evolutionary milestones occurred during the Cenozoic Era?

- (a) First appearance of reptiles
- (b) Radiation of mammals and birds
- (c) First multicellular organisms
- (d) First marine algae

100. Which of the following is a push factor of rural-to-urban migration in India?

- (a) Better housing
- (b) Low agricultural productivity
- (c) Employment opportunities in industries
- (d) Quality education

101. Consider the following statements about the Ganga River System:

1. The Yamuna joins the Ganga at Allahabad (Prayagraj).
2. The Son River is a left-bank tributary of the Ganga.
3. The Gandak and Kosi Rivers originate in Tibet.

Which of the statements given above are correct?

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

102. Which of the following pairs of rivers and their tributaries is correctly matched?

River	Major Tributary
1. Godavari	Manjira
2. Krishna	Bhavani
3. Cauvery	Hemavati

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

103. Which of the following statements about India's Ramsar Sites is/are correct (2025 context)?

1. India added two new wetlands — Gokul Jalashay in Buxar and Udaipur Jheel in West Champaran (Bihar) — to the Ramsar list in 2025.
2. With these additions, India's total number of Ramsar sites crossed 100, making it the country with the highest number in Asia as of 2025.
3. An ox-bow lake is one of the wetland types newly included in the Ramsar list in Bihar.

Select the correct answer:

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

104. The Telangana Plateau is mainly drained by which of the following river systems?

- (a) Krishna and Godavari
- (b) Mahanadi and Brahmani
- (c) Narmada and Tapi
- (d) Pennar and Vaigai

105. Which of the following pairs of *pass–state* is correctly matched?

Pass	State
1. Nathu La	Sikkim
2. Rohtang Pass	Uttarakhand
3. Lipulekh Pass	Arunachal Pradesh
4. Bomdi La	Himachal Pradesh

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



106. Which of the following statements about the Bhabar and Tarai regions is/are correct?
1. The Bhabar zone is a narrow belt of coarse alluvium deposited at the foothills of the Shiwaliks.
  2. The Tarai region lies south of the Bhabar and is characterized by marshes and thick forests.
  3. Streams in the Tarai region often disappear underground.
- (a) 1 only (b) 1 and 2 only  
(c) 1, 2 and 3 (d) 2 and 3 only
107. In which of the following climatic regions are the processes of frost wedging and solifluction most active?
- (a) Equatorial  
(b) Arid desert  
(c) Temperate mountain  
(d) Tundra or periglacial
108. Which of the following represents the correct chronological order of Earth's major eras (oldest to youngest)?
- (a) Mesozoic → Paleozoic → Cenozoic  
(b) Paleozoic → Mesozoic → Cenozoic  
(c) Precambrian → Paleozoic → Cenozoic  
(d) Paleozoic → Cenozoic → Mesozoic
109. Which of the following indicators signifies that a country is moving from late expanding to low stationary stage?
- (a) Increasing infant mortality rate  
(b) Rising crude death rate  
(c) Declining total fertility rate below replacement level  
(d) Increasing population density
110. Which of the following demographic indicators typically *increase* during the demographic transition?
- a) Birth rate and death rate  
(b) Infant mortality rate and fertility rate  
(c) Life expectancy and literacy rate  
(d) Dependency ratio and fertility rate
111. Which of the following best explains the term *endorheic basin*?
- (a) A basin where the river flows into the sea  
(b) A basin where river water flows into a lake or disappears inland without reaching the sea  
(c) A river system formed due to tectonic uplift  
(d) A deltaic formation of a river in coastal regions
112. Which of the following hill ranges form part of the Eastern Ghats?
1. Nallamala Hills
  2. Shevaroy Hills
  3. Javadi Hills
  4. Cardamom Hills
- Select the correct answer using the code given below:
- (a) 1, 2 and 3 only (b) 1 and 3 only  
(c) 1, 2, 3 and 4 (d) 2, 3 and 4 only
113. The Palghat Gap plays a crucial role in the physiography and climate of South India. What is its significance?
- (a) It separates the Eastern Ghats from the Western Ghats  
(b) It connects Kerala with the Nilgiri Hills  
(c) It allows moist winds to enter Tamil Nadu from the Arabian Sea  
(d) It is the origin of the Cauvery River
114. Which among the following is *not* a typical adaptation of plants in tropical rainforests?
- (a) Drip-tip leaves to shed excess water  
(b) Buttress roots for support  
(c) Thick bark to retain moisture  
(d) Epiphytic habit to reach sunlight
115. Which of the following metals are commonly used as semiconductor materials?
1. Silicon
  2. Germanium
  3. Gallium
  4. Arsenic
- Select the correct answer using the code below:
- (a) 1 and 2 only (b) 1, 2 and 3 only  
(c) 1, 2, 3 and 4 (d) 1 and 4 only

116. Which of the following best explains the term “seasonal migration”?
- (a) Permanent movement for better living conditions
  - (b) Temporary movement linked to demand for labour
  - (c) Migration due to disasters
  - (d) Migration due to war or persecution

117. The “push-pull model” of migration was originally developed by—
- (a) Ravenstein                      (b) Myrdal
  - (c) Ricardo                          (d) Malthus

118. Which instrument is used to measure humidity in the atmosphere?
- (a) Barometer                      (b) Hygrometer
  - (c) Thermometer                  (d) Pyranometer

119. Which one of the following is the correct sequence of mountain ranges from north to south in South America?
- (a) Andes – Brazilian Highlands – Patagonia Plateau
  - (b) Patagonia Plateau – Andes – Brazilian Highlands
  - (c) Andes – Patagonia Plateau – Brazilian Highlands
  - (d) Brazilian Highlands – Andes – Patagonia Plateau

120. Which of the following statements regarding the Andes Mountains is/are correct?

- 1. They are formed due to convergence of the Nazca Plate and South American Plate.
- 2. They are rich in mineral resources such as copper and silver.
- 3. They are the youngest fold mountain chain in the world.

Select the correct answer using the code below:

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

121. Which of the following countries is the largest producer of iron ore in the world as of 2025?
- (a) India                                  (b) Australia
  - (c) China                                (d) Brazil

122. Which of the following minerals is correctly matched with its major producing area?

Mineral	Major Producing Area
1. Bauxite	Balaghat (Madhya Pradesh)
2. Copper	Khetri (Rajasthan)
3. Mica	Nellore (Andhra Pradesh)

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

123. The Zawar mines, which were in news recently, are located in which Indian state?

- (a) Rajasthan                      (b) Gujarat
- (c) Odisha                          (d) Karnataka

124. Which one of the following minerals is not correctly matched with its major world producer?

Mineral	Major World Producer
(a) Copper –	Chile
(b) Bauxite –	Guinea
(c) Zinc –	Canada
(d) Iron ore –	Australia

125. Which of the following statements regarding coal in India is/are correct?

- 1. Gondwana coal is primarily anthracite in nature and is used for metallurgical purposes.
- 2. Lignite coal is mainly found in Rajasthan and Tamil Nadu.
- 3. Jharkhand and Odisha together account for more than 50% of India’s coal reserves.

Select the correct answer using the code given below:

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