

EDUCRAT IAS AANKLAN-PRELIMS TEST SERIES 2026

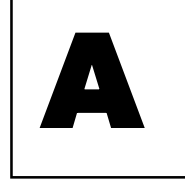


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Test Booklet Series



TEST BOOKLET

GENERAL STUDIES
Paper I

G-A-17-2026

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 book.
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 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. 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.
4. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet. **All** items carry equal marks.
5. 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 Admit Card.
6. **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
7. 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.

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1. How many of the following are the indirect sources to study the Earth's interior?

- I. Seismic activities
- II. Meteorites
- III. Gravitation
- IV. Volcanic Eruptions

Select the correct answer using the code given below:

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

2. With reference to the structure and composition of the Earth's crust, consider the following statements:

- I. The crust constitutes less than one percent of the Earth's total mass.
- II. The outermost part of the crust is primarily composed of sedimentary material.

Which of the statements given above are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

3. Consider the following statements:

Statement I: The outer core of the Earth is in a liquid state.

Statement II: The movement of molten material in the outer core is responsible for generating the Earth's magnetic field.

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 incorrect.
- (d) Statement-I is incorrect, but Statement-II is correct.

4. With reference to the Earth's crust, consider the following statements:

- I. The oceanic crust is thicker than the continental crust.

II. The temperature within the crust decreases uniformly with increasing depth.

III. Granite is a dominant rock type of the continental crust.

How many of the above statements are correct?

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

5. With reference to the elemental composition of the Earth's crust, arrange the following elements in descending order of their abundance:

- I. Silicon
- II. Aluminum
- III. Calcium

Select the correct answer using the code below:

- (a) I-II-III
- (b) I-III-II
- (c) II-I-III
- (d) II-III-I

6. With reference to the propagation of seismic waves and the internal structure of the Earth, consider the following statements:

I. The Earth's inner core is solid and is capable of transmitting shear (S) waves.

II. P-waves speed up significantly as they enter the inner core.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

7. According to the Convection Current Theory of plate tectonics, which of the following best explains the formation of mid-oceanic ridges?

- (a) The accumulation of sediments along passive continental margins.
- (b) Compression resulting from sinking convection currents within the mantle.

- (c) Divergence of lithospheric plates above rising mantle convection currents.
- (d) Fracturing of the Earth's crust due to isostatic imbalance.

8. Consider the following pairs:

Theory	Proponent
I. Seafloor Spreading Theory	Arthur Holmes
II. Convection Current Theory	Harry Hess
III. Continental Drift Theory	Alfred Wegener

How many of the pairs given above are correctly matched?

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

9. Which one of the following best describes paleomagnetism?

- (a) The study of present-day variations in the Earth's magnetic field caused by solar winds.
- (b) The study of the record of Earth's magnetic field preserved in rocks, sediments, and archaeological materials.
- (c) The study of magnetic properties of the Earth's core using seismic wave analysis.
- (d) The study of magnetic anomalies produced exclusively by continental crustal rocks.

10. Consider the following statements regarding magnetic patterns on the ocean floor:

Statement I: Rocks located on either side of mid-ocean ridges display symmetrical patterns of normal and reversed magnetic polarity.

Statement II: Basaltic magma rising at mid-ocean ridges records the Earth's magnetic field at the time of solidification and subsequently moves away from the ridge as new magma emerges.

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 is the correct explanation for Statement I.

- (b) Both Statement I and Statement II are correct, but Statement II is not the correct explanation for Statement I.

(c) Statement I is correct, but Statement II is incorrect.

(d) Statement I is incorrect, but Statement II is correct.

11. Consider the following statements regarding the Continental Drift Theory:

Statement I: The Continental Drift Theory was initially rejected by most geologists because it did not provide a convincing mechanism to explain the movement of continents.

Statement II: The theory postulated that a single supercontinent, known as Pangea, eventually fragmented to form the present-day landmasses.

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 is the correct explanation for Statement I.

(b) Both Statement I and Statement II are correct, but Statement II is not the correct explanation for Statement I.

(c) Statement I is correct, but Statement II is incorrect.

(d) Statement I is incorrect, but Statement II is correct.

12. With reference to the 'Pole-fleeing force' mentioned by Alfred Wegener in theory of continental drift, which of the following is true?

(a) It is the force generated by the convection currents rising from the outer core.

(b) It refers to the magnetic repulsion between the Earth's poles and the magnetic minerals in the crust.

(c) It refers to the gravitational pull exerted by the sun and moon on the Earth's crust.

(d) It is caused by the centrifugal force due to the Earth's rotation and its oblate spheroid shape.

13. Consider the following statements:

Statement-I: Benioff Zones are areas of intense earthquake activity found near oceanic trenches.

Statement-II: The melting of the subducting plate in these regions often leads to the formation of a volcanic arc on the overriding plate.

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 is the correct explanation for Statement-I
- (b) Both Statement-I and Statement-II are correct and Statement-II is not the correct explanation for Statement-I
- (c) Statement-I is correct but Statement-II is incorrect
- (d) Statement-I is incorrect but Statement-II is correct

14. In the context of 'Isostasy', why do the Himalayas not sink into the denser mantle despite their massive weight?

- (a) The upward convective currents in the mantle provide a constant lifting force.
- (b) The centrifugal force at the Tibetan plateau is high enough to counteract gravity.
- (c) The Himalayan rocks are composed of high-density basalt which floats easily on granite.
- (d) The crust beneath the Himalayas is exceptionally thick, creating a 'root' that displaces an equivalent mass of denser mantle.

15. Which of the following factors would most likely result in an increase in the Earth's planetary albedo?

- (a) Expansion of urban areas with asphalt-covered surfaces
- (b) Expansion of dense stratocumulus cloud cover
- (c) Large-scale melting of polar ice caps
- (d) Afforestation of a sandy desert

16. Consider the following statements regarding the 'Heat Budget' of the Earth:

- I. The Earth transfers heat to the atmosphere primarily through shortwave radiation.
- II. Less than half of the incoming solar radiation is reflected back to space before reaching the Earth's surface.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

17. Why are the Westerlies in the Southern Hemisphere stronger and more persistent than those in the Northern Hemisphere?

- (a) The Coriolis force is strongest in the Southern Hemisphere mid-latitudes.
- (b) The Southern Hemisphere has a larger landmass which creates greater thermal contrast.
- (c) There is a vast expanse of ocean with minimal frictional obstruction from landmasses in the Southern Hemisphere.
- (d) The pressure gradient force is weaker in the Southern Hemisphere.

18. With reference to Jet streams, consider the following statements:

- I. Jet streams are narrow bands of strong winds located in the upper troposphere.
- II. During summer in the Northern Hemisphere, the Subtropical Jet Stream shifts to the south of the Himalayas.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

19. Consider the following local winds with their Respective characteristics:

Local Wind	Characteristic
I. Foehn	Warm, dry wind descending the Alps
II. Mistral	Cold, dry wind blowing down the Rhone Valley
III. Chinook	Cold winter wind in the Rockies causing freezing conditions
IV. Harmattan	Hot, dry wind blowing from the Sahara towards the Gulf of Guinea

How many of the above pairs are correctly matched?

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

20. Consider the following statements regarding Humidity:

- I. Absolute Humidity represents the actual amount of water vapor present in a unit volume of air.
- II. Relative Humidity (RH) is directly proportional to the air temperature.
- III. The Dew Point is the temperature at which the air becomes saturated.

Which of the statements given above are correct?

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

21. In the context of 'Temperature Inversion', how many of the following conditions are not favorable for its formation?

- I. Long winter nights
- II. Cloudy skies
- III. Calm and stable air conditions
- IV. Dry air near the ground

Select the correct answer using the code given below:

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

22. What is the primary reason for the formation of the Subtropical High-Pressure Belt (STHP) around 30° North and South latitudes?

- (a) The centrifugal force caused by the earth's rotation pushing air away from the poles.
- (b) The convergence of cold polar winds and warm westerlies.
- (c) Subsidence of air coming from the equatorial region and the Coriolis effect causing piling up of air.
- (d) Intense heating of the ground causing thermal expansion of air.

23. Consider the following Ocean Currents with their characteristics:

Ocean Current	Characteristics
I. Kuroshio Current	Warm Current of the Pacific
II. Benguela Current	Cold Current of the Atlantic
III. Oyashio Current	Warm Current of the North Pacific
IV. Agulhas Current	Warm Current of the Indian Ocean

Which of the pairs given above are correctly matched?

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

24. With reference to various types of clouds, consider the following statements:

- I. Cirrus clouds are high-altitude clouds composed primarily of ice crystals.
- II. Altocumulus clouds often appear as "mackerel sky" resembling fish scales.
- III. Cumulonimbus clouds are associated with heavy rainfall and hail.

Which of the statements given above are correct?

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

25. Consider the following statements regarding 'Adiabatic Lapse Rates':

Statement-I: The Dry Adiabatic Lapse Rate (DALR) is always higher than the Wet Adiabatic Lapse Rate (WALR).

Statement-II: Adiabatic cooling occurs when an air parcel rises and expands due to decreasing atmospheric pressure.

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 is the correct explanation for Statement-I
- (b) Both Statement-I and Statement-II are correct but Statement-II is not the correct explanation for Statement-I
- (c) Statement-I is correct but Statement-II is incorrect
- (d) Statement-I is incorrect but Statement-II is correct

26. With reference to types of clouds, consider the following statements:

I. Cirrostratus clouds are responsible for the formation of halos around the Sun or the Moon.

II. Mammatus clouds are pouch-like cloud formations that are often associated with severe thunderstorms.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

27. Consider the following statements regarding the 'Rossby Waves':

I. They are giant meanders in high-altitude westerly winds with a major influence on weather.

II. The formation of 'Cut-off Lows' is associated with the deepening of Rossby wave troughs.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

28. Which of the following forces is primarily responsible for causing winds to follow a curved path around a pressure centre?

- (a) Pressure Gradient Force
- (b) Frictional Force
- (c) Coriolis Force
- (d) Centripetal Force

29. The Somali Jet is an important atmospheric phenomenon primarily associated with which of the following?

- (a) Strengthening of the polar vortex during winter.
- (b) Transport of ozone from the tropics to the polar regions.
- (c) Intensification of the South-West Monsoon over India.
- (d) Formation of cyclones in the Mediterranean region.

30. Consider the following statements about 'Planetary Winds':

I. The Doldrums are a zone of high pressure and divergence.

II. The Westerlies are responsible for the 'Roaring Forties' in the Southern Hemisphere.

III. The Polar Easterlies are formed due to the subsidence of cold air at the poles.

Which of the statements given above are correct?

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

31. With reference to the global distribution of volcanoes, consider the following statements:

I. Most active volcanoes are located near plate boundaries.

II. Hotspots volcanoes contradict the theory of plate tectonics.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

32. Consider the following statements regarding the climatic impact of Clouds:

I. High-altitude clouds generally have a net warming effect on the Earth.

II. Low-altitude clouds generally emit more infrared radiation upward into space.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

33. With reference to the United Nations Convention on the Law of the Sea (UNCLOS), consider the following bodies:

- I. The International Tribunal for the Law of the Sea (ITLOS)
- II. The International Seabed Authority (ISA)
- III. The Commission on the Limits of the Continental Shelf (CLCS)

How many of the above bodies were established under UNCLOS?

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

34. Consider the following statements:

- I. Cold currents are usually found along the west coasts of continents in low and middle latitudes.
- II. Warm currents are usually observed along the east coasts of continents in low and middle latitudes.
- III. In the Northern Hemisphere, warm currents are typically found on the east coasts of continents in high latitudes.

Which of the statements given above are correct?

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

35. Coral bleaching most directly occurs due to which of the following processes?

- (a) Increased photosynthetic activity of zooxanthellae.
- (b) Loss of zooxanthellae from coral tissues.
- (c) Proliferation of fast-growing algae on coral reefs.
- (d) Mineralization of coral skeletons.

36. How many of the following statements regarding different types of coral reefs are correct?

- I. Barrier reefs are located farther offshore and are separated from the land by deep lagoons.
- II. Atolls are ring-shaped coral reefs formed around submerged or sunken volcanic islands.
- III. Patch reefs are extensive reef systems that encircle large ocean basins.

How many of the statements given above are correct?

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

37. How many of the following factors determine the height of ocean waves?

- I. Strength of the wind
- II. Duration for which the wind blows
- III. Area over which the wind blows in a single direction

How many of the statements given above are correct?

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

38. Which of the following statements best describes a 'Warm Front'?

- (a) Two air masses of differing temperatures move parallel to each other without displacing one another.
- (b) A cold air mass advances aggressively, forcing warm air to rise rapidly, causing thunderstorms.
- (c) A warm air mass slides over a retreating cold air mass, leading to gentle, prolonged precipitation.
- (d) A cold front overtakes a warm front, lifting the warm air completely off the ground.

39. Consider the following statements:

- I. Higher salinity makes water buoyant and inhibits sinking of water masses.
- II. Colder water is denser than warmer water and tends to sink.
- III. The mixing of cold and warm ocean currents creates some of the richest fishing grounds in the world

Which of the statements given above are correct?

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

40. What is the primary difference between semi-diurnal tides and mixed tides?

- (a) Semi-diurnal tides occur only at night, whereas mixed tides occur only during the day.
- (b) Semi-diurnal tides have two successive high tides of nearly equal height, whereas mixed tides show successive high tides of unequal heights.
- (c) Semi-diurnal tides are caused solely by the Moon, while mixed tides are caused by the Sun.
- (d) None of the above.

41. Which of the following are true regarding tidal forces?

- I. Spring tides occur during full moon
- II. Neap tides occur during new moon
- III. Perigee increases tidal range
- IV. Aphelion decreases tidal range

Select the answer using the code given below:

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

42. Consider the following statements regarding deep-water ocean currents:

- I. Deep-water currents circulate due to density and gravity differences.
- II. Kurile or Oyashio Current is a deep-water current.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

43. With reference to the islands of India, consider the following statements:

- I. The Andaman and Nicobar Islands were formed due to collision between the Indian Plate and the Burma Minor Plate.
- II. The Lakshadweep Islands are coral islands formed over submerged volcanic features.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

44. With reference to the rock cycle, consider the following statements:

- I. Sedimentary rocks are formed only from igneous rocks.
- II. Metamorphism involves mineralogical changes without melting.
- III. Rocks can undergo cyclic transformation under changing geological conditions.

How many of the above statements are correct?

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

45. Consider the following differences between Fluvial and Glacial Erosion:

- I. Fluvial erosion is primarily caused by running water, whereas glacial erosion is caused by moving ice.
- II. Valleys formed by rivers are typically V-shaped, while those formed by glaciers are U-shaped.
- III. Canyons are a feature of glacial erosion, while moraines are a feature of fluvial erosion.

Which of the above statements correctly differentiate Fluvial and Glacial Erosion?

- (a) I and II only
- (b) II and III only
- (c) I, II, and III
- (d) None of the above

46. A coastal landform forms when sediment deposition connects an offshore island to the mainland, altering near-shore wave patterns.

Which landform is this?

- (a) Spit
- (b) Barrier island
- (c) Tombolo
- (d) Estuary

47. Consider the following statements:

I. Fjords are formed primarily due to glacial deposition along coastal mountain regions.

II. Badlands are the result of intense fluvial erosion in regions with soft sedimentary rocks and sparse vegetation.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

48. Consider the following statements:

I. A doline is closed depression in limestone terrain formed due to dissolution of rock by groundwater.

II. A polje is a place where an underground river reappears at the surface for a short distance before sinking again.

Which of the above statements is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

49. Consider the following statements:

I. Crater lakes are formed due to earthquake-related tectonic activity.

II. Karst lakes originate due to tectonic subsidence of the Earth's crust.

Which of the above statements is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II

(d) Neither I nor II

50. Consider the following pairs:

Original Rock	Metamorphosed Rock
I. Granite	Gneiss
II. Limestone	Marble
III. Clay/Shale	Quartzite

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

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

51. Consider the following statements:

Statement I: The Mid-Atlantic Ridge is a zone of continuous formation of new oceanic crust.

Statement II: The Mid-Atlantic Ridge coincides with a convergent plate boundary.

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 incorrect.
- (d) Statement-I is incorrect, but Statement-II is correct.

52. With reference to Anticyclones, consider the following statements:

I. They are characterized by high atmospheric pressure at the center with winds blowing outwards in a clockwise direction in the Northern Hemisphere.

II. In an anticyclone, air typically descends from above which leads to the compression and warming of the air.

III. Unlike cyclones, the pressure gradient in an anticyclone is usually very steep at the center, leading to high wind speeds and stormy conditions.

How many of the statements given above are correct?

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

(d) None

53. Consider the following statements regarding ocean currents:

I. Major ocean currents are strongly influenced by prevailing winds and the Coriolis force.

II. Ocean circulation broadly corresponds to the pattern of atmospheric circulation.

III. In regions with pronounced monsoonal flow, ocean currents remain unaffected because deep currents dominate.

Which of the statements given above are correct?

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

54. With reference to 'Tides' consider the following statements:

I. Spring Tides occur when the Sun, the Moon, and the Earth are in a straight line.

II. Neap Tides occur when the Sun and the Moon are at right angles to each other relative to the Earth.

III. The tidal range is highest during the Neap Tides.

Which of the statements given above are correct?

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

55. Trees such as Mahogany, Ebony, and Rosewood, which grow very tall and stay green all year round, are typical of which biome?

- (a) Mediterranean Biome
- (b) Equatorial Rainforest
- (c) Coniferous Forest
- (d) Savanna Grassland

56. Which of the following is the most defining characteristic of the Mediterranean Climate?

- (a) High rainfall throughout the year with no distinct dry season.
- (b) Hot, dry summers and mild, rainy winters.

(c) Heavy monsoon rains during the summer months followed by a dry winter.

(d) None of the above

57. With reference to the Savanna Biome, consider the following statements:

I. It is characterized by a "Parkland Topography" where scattered trees are separated by a continuous carpet of tall grasses.

II. The presence of trees is primarily restricted by the "Fire-Grazing-Climate" nexus.

Which of the statements given above are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

58. Consider the following statements:

Statement I: Natural harbours are fewer on the eastern coast of India as compared to the western coast of India.

Statement II: The eastern coast is relatively straight with extensive deltaic sedimentation as compared to the western coast.

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 incorrect
- (d) Statement-I is incorrect, but Statement-II is correct

59. Consider the following statements:

I. Due to the Coriolis force, warm currents from low latitudes tend to move to the right in the Northern Hemisphere and left in the Southern Hemisphere.

II. The Coriolis force is absent at the equator and reaches its maximum at the poles

Which of the statements given above is/are correct?

- (a) I only
- (b) II only

- (c) Both I and II
(d) Neither I nor II

60. Consider the following statements:

I. Tropical cyclones develop over warm ocean waters, while temperate cyclones develop along frontal boundaries.

II. Tropical cyclones derive energy from latent heat release, while temperate cyclones are driven by contrasting air masses.

Which of the statements given above is/are correct?

- (a) I only
(b) II only
(c) Both I and II
(d) Neither I nor II

61. They belong to the great vertical extent clouds category. These clouds are responsible for severe weather phenomena such as thunderstorms, hailstorms, and tornadoes and are dense, towering, and anvil-shaped.

Which of the clouds has been described in the passage given above?

- (a) Nimbus Clouds
(b) Cumulonimbus Clouds
(c) Nimbostratus Clouds
(d) Cumulus Clouds

62. A sudden drop in temperature, cloudy skies, and unexpected winter rainfall in Delhi are observed in January.

Which of the following is the most likely cause?

- (a) Influence of El Niño, bringing unusual winter rain.
(b) Cyclonic activity in the Bay of Bengal, affecting northern India.
(c) A strong Western Disturbance passing over north-western India.
(d) The retreat of the Southwest Monsoon, bringing residual moisture.

63. Consider the following description:

I. This climate is found in the interiors of continents between 30° and 60° latitudes.

II. It experiences hot summers, cold winters, and moderate precipitation.

III. Vegetation consists mainly of grasses with very few trees.

Which climatic region does this describe?

- (a) Steppe Climate
(b) Mediterranean Climate
(c) Humid Subtropical Climate
(d) Tundra Climate

64. Consider the following description:

I. It is a warm ocean current found in the North Atlantic Ocean.

II. It transports warm water from the tropics toward Europe, moderating its climate.

III. It eventually merges with the North Atlantic Drift.

Which ocean current is being described above?

- (a) Canary Current
(b) Gulf Stream
(c) Benguela Current
(d) Labrador Current

65. Consider the following statements:

Statement I: Heat Dome Effect results in prolonged heatwaves in urban areas.

Statement II: High-pressure systems trap warm air, preventing heat dissipation.

Statement III: Urbanization and anthropogenic emissions intensify heat dome effects.

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

- (a) Statements II and III are correct, and both explain Statement I.
(b) Statements II and III are correct, but only one explains Statement I.
(c) Only one of the Statements II or III is correct and explains Statement I.
(d) Neither Statement II nor Statement III is correct.

66. With reference to the Earth's atmosphere, which one of the following statements is correct?

- (a) The total amount of insolation received at the equator is roughly about 10 times that received at the poles.
- (b) Infrared rays constitute roughly two thirds of insolation.
- (c) Infrared waves are largely absorbed by water vapour that is concentrated in the lower atmosphere.
- (d) Infrared waves are a part of the visible spectrum of electromagnetic waves of solar radiation.

67. Consider the following statements:

- 1. The Earth's magnetic field has reversed every few hundred thousand years.
- 2. When the Earth was created more than 4000 million years ago, there was 54% oxygen and no carbon dioxide.
- 3. When living organisms originated, they modified the early atmosphere of the Earth.

Which of the statements given above is/are correct?

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

68. Consider the following statements:

- 1. In a seismograph, P waves are recorded earlier than S waves.
- 2. In P waves, the individual particles vibrate to and fro in the direction of waves propagation whereas in S waves, the particles vibrate up and down at right angles to the direction of wave propagation.

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

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

- 1. The isotherms deviate to the north over the ocean and to the south over the continent.
- 2. The presence of cold ocean currents, Gulf Stream and North Atlantic Drift make the North Atlantic Ocean colder and the isotherms bend towards the North.

Select the answer using the code given below:

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

70. Which of the following is/are unique characteristics / characteristics equatorial forests?

- 1. Presence of tall, closely set trees with crowns forming a continuous canopy
- 2. Coexistence of a large number of species
- 3. Presence of numerous varieties of epiphytes

Select the correct answer using the code given below:

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

71. With reference to the functioning of Central Bank Digital Currency (CBDC) in India, consider the following statements:

- 1. Unlike the UPI which involves a bank-to-bank settlement process, CBDC transactions offer instant settlement with finality at the point of exchange.
- 2. The issuance and distribution of digital currency are managed directly by the central bank.
- 3. To enhance financial inclusion, digital currency is designed to support both online and offline transaction mechanisms using smartphones or other digital devices.

How many of the statements given above are incorrect?

- (a) Only one
- (b) Only two

- (c) All three
- (d) None

72. With reference to the Protection of Children from Sexual Offences (POCSO) Act, consider the following statements:

1. The Act mandates child-friendly procedures, including the requirement that a child's statement be recorded by a female police officer at the child's home or a place of their choice, as far as possible.
2. Under the mandatory reporting provisions, failure to report an offence under the Act by any person who has knowledge of it is a punishable offence.
3. For specific offences under the Act, the burden of proof is shifted, and there is a legal presumption of guilt on the accused until the contrary is proved.

How many of the statements given above are correct?

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

73. What is "Pax Silica," recently seen in the news?

- (a) A global treaty aimed at regulating the use of silica-based microplastics in the world's oceans.
- (b) A US-led strategic coalition focused on building a secure and resilient semiconductor and silicon supply chain.
- (c) An international initiative to standardize the extraction of high-grade silica for solar panel manufacturing.
- (d) A specialized peace-keeping force deployed to secure mineral-rich zones in the Mediterranean region.

74. With reference to the "Board of Peace" (BoP) initiative, recently discussed in international diplomacy, consider the following statements:

1. It is a multi-lateral platform designed to act as a "permanent mediator" for regional conflicts, focusing on economic interdependence as a deterrent to war.
2. The Board is an official organ of the United Nations Security Council (UNSC) with the power to impose mandatory economic sanctions on non-compliant states.

3. A primary objective of the Board is to create "Peace Corridors" that integrate joint infrastructure projects, such as energy grids and water management, across hostile borders.

How many of the statements given above are correct?

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

75. With reference to Generative Artificial Intelligence (GenAI), consider the following statements:

1. Unlike traditional AI that primarily analyzes existing data, Generative AI utilizes Foundation Models to create entirely new content, such as synthetic data and high-fidelity images.
2. The transition of machines toward "General Purpose AI" (GPAI) has been primarily enabled by underlying technologies such as Transformers and Generative Adversarial Networks (GANs).

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

76. What is the "Cinderella Law," which has recently been in the news?

- (a) A European Union regulation mandating the return of all migrant workers to their home countries by a specific legal deadline.
- (b) A South Korean law that historically banned children under the age of 16 from playing online video games between midnight and 6:00 AM.
- (c) A maritime law governing the "right of return" for merchant vessels entering international waters after sunset.
- (d) A labour law in Southeast Asia that provides mandatory transport facilities for women working in night shifts.

77. In the context of the Indian economy and taxation, what is "Round Tripping"?

- (a) A trade practice where a country exports raw materials and imports the same materials as finished goods to boost GDP figures.
- (b) A process where capital leaves a country through various channels and is brought back as Foreign Direct Investment (FDI) to enjoy tax benefits.
- (c) A central bank intervention where foreign currency is sold in the spot market and simultaneously repurchased in the forward market.
- (d) A circular debt mechanism where a company takes a loan from a bank to pay off an existing interest-free loan from its own subsidiary.

78. With reference to the fungal pathogen *Candida Auris*, consider the following statements:

- 1. It is a multidrug-resistant yeast primarily transmitted in healthcare settings, known for its ability to persist on medical devices and inanimate surfaces for long periods.
- 2. While it is highly invasive, it is characterized by low mortality rates because it responds effectively to all standard antifungal therapies like Echinocandins.

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

79. With reference to Amazonian Stingless Bees, consider the following statements:

- 1. These bees are exclusively endemic to the Amazon Basin of South America and are not found in any other tropical regions of the world.
- 2. They play a primary role in tropical ecosystems, being responsible for pollinating over 80% of Amazonian flora.
- 3. They recently became the first insects in the world to be granted legal rights through a landmark ordinance passed by the Brazilian federal government.

How many of the statements given above are incorrect?

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

80. With reference to the 'Galaxy Frog' (*Melanobatrachus indicus*), consider the following statements:

- 1. It is a fossorial amphibian endemic to the Shola forests of the Western Ghats, characterized by a black body with bluish-white speckles.
- 2. Belonging to the family Microhylidae, it is currently categorized as 'Vulnerable' on the IUCN Red List and serves as an indicator of ecosystem health.

Which of the statements given above is/ are incorrect?

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

81. Consider the following statements regarding notifiable diseases in India:

- 1. A notifiable disease is one that is legally required to be reported to government authorities by all medical practitioners and laboratories upon diagnosis.
- 2. There is no single national list, and states notify diseases independently under their respective Public Health Acts or the Epidemic Diseases Act, 1897.
- 3. The Integrated Disease Surveillance Programme (IDSP) utilizes real-time data from both public and private health sectors to detect and respond to outbreaks.

How many of the statements given above are correct?

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

82. Consider the following statements RAH-VEER scheme:

1. The RAH-VEER scheme is an initiative launched by the Ministry of Health and Family Welfare to reduce road accident fatalities.
2. Under this scheme, a Good Samaritan who provides immediate assistance to a victim during the 'golden hour' is eligible for a cash reward of ₹25,000 and a Certificate of Appreciation.
3. The scheme provides legal safeguards to helpers, protecting them from police questioning, legal harassment, and both civil and criminal liability.

How many of the statements given above are correct?

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

83. Consider the following statements regarding Olive Ridley turtles:

1. They are categorized as 'Vulnerable' on the IUCN Red List and are protected under Schedule I of India's Wildlife Protection Act, 1972.
2. The Gahirmatha Beach in Odisha is recognized as the world's largest rookery for these turtles, where they exhibit a unique mass nesting behavior known as 'Arribada'.
3. 'Operation Olivia' is a seasonal conservation measure undertaken by the Indian Coast Guard to safeguard these turtles along the Odisha coast.

How many of the statements given above are incorrect?

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

84. Consider the following statements regarding Battery Pack Aadhaar Number (BPAN):

1. The BPAN is a unique 21-character alphanumeric code proposed by the Ministry of Electronics and Information Technology to ensure the lifecycle traceability of electric vehicle batteries.

2. Under the proposed guidelines, if a battery is repurposed for a second-life application or recycled, a new BPAN must be issued to reflect this change in its lifecycle.

3. While the scheme primarily targets EV batteries, it is also recommended to cover industrial batteries with a capacity above 2 kWh.

How many of the statements given above are incorrect?

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

85. Consider the following statements regarding the "Wolf Supermoon":

1. It occurs when a Full Moon coincides with the Moon's perigee, making it appear significantly larger and brighter than a typical full moon.

2. The term "Wolf Moon" refers to a specific physical change in the Moon's lunar surface that occurs during the peak of the winter season.

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

86. Consider the following statements regarding White Dwarf systems:

1. A white dwarf is formed when a massive star undergoes a supernova explosion, leaving behind a core primarily composed of iron.

2. In intermediate polar systems like EX Hydrae, the magnetic field of the white dwarf channels gas from a companion star directly onto its surface.

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

87. Consider the following statements regarding the 'PANKHUDI' portal:

1. It is an integrated single-window digital platform launched to facilitate voluntary and institutional contributions towards women and child development.
2. The portal is specifically designed to manage only Corporate Social Responsibility (CSR) funds, excluding individual and NRI contributions.

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 the Kashmir Markhor:

1. It is a high-altitude wild goat characterized by distinctive spiral corkscrew-shaped horns and is primarily found in the Pir Panjal range and Kashmir Himalayas in India.
2. Under the Wildlife (Protection) Act, 1972, the Markhor is granted the highest level of legal protection by being listed in Schedule I.
3. According to the IUCN Red List, the species is currently categorized as 'Near Threatened' and is protected against international trade under CITES Appendix I.

How many of the statements given above are incorrect?

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

89. With reference to international regional groupings, which of the following countries are members of the 'Weimar Triangle'?

1. Germany
2. Belgium
3. Poland
4. France
5. Austria

Select the correct answer using the code given below:

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

90. Consider the following statements regarding *Orobanche aegyptiaca*, which was recently in the news:

1. It is an obligate root parasite that lacks chlorophyll and depends entirely on host plants for its nutritional requirements.
2. It primarily affects cereal crops like Wheat and Rice, leading to significant yield losses across the Indo-Gangetic 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

91. Consider the following statements regarding the Petro-Dollar System:

1. The system was formally established through an agreement between the United States and the Soviet Union in the early 1970s to stabilize global energy prices.
2. Under this system, oil-exporting countries reinvest their excess dollar earnings into US assets like Treasury bonds, a process known as petro-dollar recycling.
3. The petro-dollar system reduces the global demand for the US Dollar, thereby making it easier for oil-importing nations like India to manage their Current Account Deficit (CAD).

How many of the statements given above are correct?

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

92. Consider the following statements regarding Passive Euthanasia in India:

1. The Supreme Court of India recognized the "Right to Die with Dignity" as a fundamental right under Article 21 in the Common Cause vs Union of India (2018) case.
2. Passive euthanasia involves the active administration of lethal substances to a terminally ill patient to accelerate death.
3. An "Advance Medical Directive" or "Living Will" allows an individual of sound mind to specify in advance their refusal of life-prolonging treatment if they become terminally ill.

How many of the statements given above are correct?

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

93. Consider the following statements regarding the 'Responsible Nations Index' (RNI):

1. It is a globally anchored index launched by the World Intellectual Foundation (WIF) to evaluate countries based on ethical governance and sustainability.
2. The index assesses nations across three core dimensions: Internal Responsibility, Environmental Responsibility, and External Responsibility.

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. Consider the following statements regarding 'Dark Fibre':

1. It refers to optical fibre cables that are under repair due to physical damage or signal interference.
2. These fibres are called "dark" because they are not connected to electronic equipment and therefore do not carry any light signals.
3. Dark fibre serves as a critical infrastructure component for the backbone of 5G networks and secure defense communications.

How many of the statements given above are correct?

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

95. Consider the following pairs of Makar Sankranti's regional names and the states where they are traditionally celebrated:

Regional Name	State
1. Magh Bihu	A. Assam
2. Poush Sankranti	B. West Bengal
3. Suggi	C. Gujarat
4. Uttarayan	D. Haryana

How many of the pairs given above are correctly matched?

- (a) I Only
- (b) II Only
- (c) III Only
- (d) All of the above

96. Consider the following statements regarding the 'Polar Silk Road':

1. It is a strategic initiative launched by the Arctic Council to establish a legally recognized "Near-Arctic State" status for non-Arctic nations like China and India.
2. The initiative primarily utilizes the Northern Sea Route (NSR), which can reduce the shipping distance between East Asia and Europe by up to 40% compared to traditional routes.
3. Under this framework, the Northwest Passage along the Russian coast serves as the primary corridor for energy cooperation and infrastructure development.

How many of the statements given above are incorrect?

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

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97. Consider the following statements regarding 'Parakram Diwas':

1. It is observed annually on 23rd January to commemorate the birth anniversary of Netaji Subhas Chandra Bose and to inspire the youth with his values of patriotism and courage.
2. To honor his legacy, the Government of India has decided that Republic Day celebrations will now commence every year from January 23 instead of January 24.

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 regarding the Asiatic Wild Dog (Dhole):

1. It is the only truly social forest-dwelling canid in Asia and is known for its highly coordinated hunting strategy and unique whistling communication calls.
2. In India, which holds the largest remaining population of the species, it is accorded the highest level of legal protection under Schedule I of the Wildlife (Protection) Act, 1972.

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

99. In the context of urban planning and environmental geography, the term 'Day Zero' refers to:

- (a) The date when a city's renewable energy production exceeds its fossil fuel consumption.
- (b) The day when a city or region's usable water supply is projected to fall below a critical threshold, leading to the shutdown of taps.
- (c) The hypothetical point in time when the rate of carbon sequestration equals the rate of greenhouse gas emissions.

(d) The commencement date of a new fiscal year for municipal infrastructure projects under the Smart Cities Mission.

100. Consider the following statements regarding the dedicated Menopause Clinics recently launched in India:

1. Maharashtra has become the first state in India to launch dedicated menopause clinics within the government hospital framework to provide specialized healthcare for women.
2. These clinics are exclusively limited to tertiary care municipal hospitals in urban areas to address the high prevalence of lifestyle-related hormonal imbalances.

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