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Test Booklet Series

TEST BOOKLET

C

GENERAL STUDIES (P) 2025 – Test – 4716

Time Allowed: Two Hours

Maximum Marks: 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS BOOKLET DOES **NOT** HAVE ANY UNPRINTED OR TURN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES **A, B, C** OR **D** AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. **Do NOT** write anything else on the Test Booklet.
4. This Test Booklet contains **100** items (Questions). Each item is printed in **English**. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response with 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 direction in the answers sheet.
6. All items carry equal marks. Attempt all items. Your total marks will depend only on the number of **correct responses** marked by you in the answer sheet. For **every incorrect** response **1/3rd of the allotted marks** will be deducted.
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 sheets as per instruction sent to you with your Admission Certificate.
8. After you have completed filling in all responses on the answer sheet and the examination has concluded, you should hand over to Invigilator only the answer sheet. You are permitted to take away with you the Test Booklet.
9. Sheet for rough work are appended in the Test Booklet at the end.

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ASKED TO DO SO

1. Recently, the Digital Bharat Nidhi has been established for which of the following purposes?
 - (a) Fast tracking of stalled e-governance projects
 - (b) Enhancing the reach of argi-extension services
 - (c) Funding telecom schemes in underserved remote/rural areas
 - (d) Promotion of e-learning under National Education Policy

2. Recently, the Union Cabinet approved the continuation of Integrated Development of Wildlife Habitats (IDWH) Scheme. Consider the following statements:
 1. It is a centrally-sponsored scheme.
 2. Project Tiger is a sub-scheme under it.
 3. It aims to provide support to both protected areas and protection of wildlife outside protected areas.

How many of the statements given above are correct?

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

3. Union Cabinet has recently approved Pradhan Mantri Janjatiya Unnat Gram Abhiyan (PM-JUGA). What is the main aim of the scheme?
 - (a) Establish one model villages in all tribal dominated districts of the country.
 - (b) Develop modern infrastructure in border tribal villages.
 - (c) Comprehensive development of tribal areas and communities by addressing critical gaps in infrastructure, healthcare, education, and livelihoods.
 - (d) Promote development in Left Wing Extremism affected tribal districts.

4. The technology Brain Computer Interface, recently in the news, refers to a/an
 - (a) algorithm that helps social media platforms to understand human mood and provide content accordingly.
 - (b) technology that helps in better imagining of brain to treat cancer.
 - (c) system that enhances brain function by using Artificial Intelligence.
 - (d) technology that allows users to communicate or control external devices using brain signals.

5. Recently, Type 1 diabetic woman was treated by using stem cell transplant. In this context, consider the following statements regarding stem cells:
 1. They are specialised cells that cannot self-renew
 2. Embryos are the only major source of stem cells.

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

6. In the context of landslides, consider the following statements:
 1. Slump is slipping of one or several units of rock debris with a backward rotation
 2. Debris fall is free-falling of rock blocks over any steep slope.
 3. Sliding of earth debris without backward rotation of mass is known as debris slide.

Which of the statements given above is/are correct?

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

7. The World Ozone Day was recently celebrated on 16th September. In this context, consider the following ozone-depleting substances:

1. Carbon Tetrachloride
2. Chlorofluorocarbons (CFCs)
3. Methyl Bromide
4. Halons
5. Methyl Chloroform

How many of the above ozone-depleting substances have been successfully phased out by India in its efforts to protect the ozone layer?

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

8. Consider following statements regarding the recognition of World Craft Cities:

1. The World Craft City designation is awarded by UNESCO.
2. Ahmedabad has been recently recognized as a World Craft City.

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

9. Which of the following releases the Global Cybersecurity Index (GCI) 2024?

- (a) World Trade Organization (WTO)
- (b) International Telecommunication Union (ITU)
- (c) World Economic Forum (WEF)
- (d) Organization for Economic Cooperation and Development (OECD)

10. Recently, the Prime Minister of India embarked on a first ever bilateral visit to Brunei Darussalam. In this context, consider the following statements regarding Brunei :

1. It is an Southeast Asian country that lies on the Island of Borneo.
2. It shares a land boundary with Indonesia.
3. It is a member of ASEAN and Commonwealth.

How many of the above statements are correct?

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

11. Consider the following statements regarding AYUSH drugs :

1. Ministry of AYUSH is vested with powers to issue license to drugs.
2. All AYUSH Drugs have to undergo safety trials before being approved.
3. The guidelines for their advertisement are covered under Drugs and Cosmetic Rules, 1945.

Which of the statements given above is/are correct?

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

12. Consider the following statements with respect to the India-Gulf Cooperation Council (GCC) relations :

1. As of 2020-21, about 30% of India's inward remittances originated from the GCC region.
2. GCC countries account for more than 50% of India's oil imports and 70% of its gas imports.

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

13. With reference to the 'Elongated Tortoise', recently seen in news, consider the following statements:
1. It is only found in the rainforests of South America.
 2. It is listed as "Endangered" on the IUCN Red List.
- 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
14. Recently, the Securities and Exchange Board of India (Foreign Venture Capital Investors) (Amendment) Regulations, 2024 were laid down. In this context, which of the following best describes a Venture Capital Fund (VCF)?
- (a) A fund that provides loans to trade in commodities and foreign exchange markets
 - (b) A fund that provides high-risk, high-return investments in exchange for equity stakes in businesses.
 - (c) A fund that invests only in government bonds and securities
 - (d) A fund that lends money to listed companies on major stock exchanges
15. Recently, Multilateral Investment Guarantee Agency (MIGA) and International Solar Alliance (ISA) announced the establishment of MIGA-ISA Solar Facility, a multi-donor trust fund, consider the following statements regarding MIGA :
1. It is a part of the International Monetary Fund (IMF) and provides loans to developing countries to promote cross-border investments.
 2. India is not a member of the Multilateral Investment Guarantee Agency (MIGA).
- 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
16. Recently, the Ministry of Home Affairs released the Guidelines on Recovery and Reconstruction (R&R) Funding Window within National Disaster Response Fund (NDRF) and State Disaster Response Fund (SDRF). In this context, consider the following statements regarding NDRF and SDRF:
1. They were set up under the Disaster Management Act, 2005.
 2. The allocation of funds under the SDRF and NDRF is based on the recommendations of the successive Financial Commissions.
- 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
17. The BHASKAR, launched recently, is a platform designed to:
- (a) promote foreign direct investment in the manufacturing sector.
 - (b) centralize, streamline, and enhance collaboration among stakeholders in the entrepreneurial ecosystem.
 - (c) boost agricultural productivity and exports.
 - (d) develop infrastructure for rural electrification.
18. Recently, the Mankidia tribes have been formally provided the habitat rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006. In this context, consider the following statements:
1. They are found in Odisha.
 2. They are Particularly Vulnerable Tribal groups.
- 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

19. Consider the following statements regarding Hepatitis E Virus (HEV):

1. It is a double-stranded RNA virus.
2. Pigs carry strains of HEV that can infect humans.
3. It is primarily transmitted via the fecal-oral route, especially through contaminated water and food.
4. Vaccine for the treatment of acute HEV is available in India.

How many of the statements given above are correct?

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

20. Consider the following statements regarding the Van Allen Belts:

1. Solar winds cause the formation of both the inner and outer Van Allen Belts.
2. Astronauts and spacecraft must fly through Van Allen Belts to reach outer space.
3. The Van Allen belts are most intense over the Equator and are effectively absent above the poles.

Which of the statements given above is/are correct?

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

21. In the context of economy, what does the term Dutch disease refer to?

- (a) A situation wherein a country witnesses uneven growth across sectors due to the discovery of natural resources, especially large oil reserves.
- (b) An economic scenario where inflation increases rapidly due to excessive government spending.
- (c) A condition where a country's economy benefits from high exports in all sectors.
- (d) A form of economic recession caused by a shortage of natural resources.

22. Square Kilometer Array (SKA) recently mentioned in news, refers to

- (a) It is a massive underwater listening device used to detect underwater volcanic activity.
- (b) It is world's largest radio telescope, designed to observe understand about the birth of Universe.
- (c) A satellite network focused on observing climate changes on Earth.
- (d) It is an ocean-based sensor network used by navies to detect submarines.

23. What does the term "Legacy Waste" refer to?

- (a) Radioactive waste produced by nuclear power plants and stored for centuries.
- (b) Hazardous chemical waste generated by industries that requires long-term treatment.
- (c) Aged municipal solid waste (MSW) typically found in landfills or dumpsites, accumulated over years.
- (d) Waste material left behind by military operations, including discarded weapons and ammunition.

24. Which of the following countries are part of the G4 Nations that support each other's bids for permanent seats on the United Nations Security Council?
- (a) Brazil, Russia, India, China
 - (b) Germany, India, Japan, Brazil
 - (c) USA, UK, France, Germany
 - (d) Brazil, Germany, Russia, India
25. Consider the following statements regarding the National Health Accounts Estimates for India for the year 2021-22, released recently by Union Health Ministry:
1. There has been increase in Out-of-Pocket expenditure as a percentage of Total Health Expenditure from 2013-14 to 2021-22.
 2. The share of Government Health Expenditure in the country's total GDP increased from 1.13% in 2014-15 to 1.84% in 2021-22.
 3. Per capita Government spending on healthcare has decreased over the years.
- How many of the statements given above are correct?
- (a) Only one
 - (b) Only two
 - (c) All three
 - (d) None
26. In the context of El Nino, consider the following statements:
1. El Nino is a climate pattern that causes a warming of sea surface temperatures in the central and eastern Indian Ocean.
 2. The occurrence of El Nino is associated with reduced rainfall during the Indian monsoon season.
 3. El Niño typically last nine to twelve months only.
- Which of the statements given above is/are correct?
- (a) 2 only
 - (b) 1 and 2 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3

27. Consider the following statements:
1. The Earth's atmosphere is heated as it absorbs heat from the Earth's surface.
 2. Advection is the process by which the earth transmits heat to the lower layers of the atmosphere through direct contact.
- 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
28. Which of the following are the factors controlling the temperature distribution of air at any place on the Earth's surface?
1. Longitude
 2. Distance from the sea
 3. Latitude
 4. Presence of cold ocean currents
 5. Altitude
- Select the correct answer using the code given below.
- (a) 1, 3 and 4 only
 - (b) 2, 3, 4 and 5 only
 - (c) 1, 2 and 5 only
 - (d) 1, 2, 3, 4 and 5
29. In the context of Jet Streams, consider the following statements:
1. Jet streams are high-altitude winds found only in the stratosphere region of the atmosphere.
 2. They generally blow from west to east all across the globe.
 3. Jet streams are the strongest during both the northern and southern hemisphere winters.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only
 - (b) 3 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3

30. Consider the following pairs in the context of rainfall distribution in India:

Average Rainfall	Region
1. Heavy Rainfall : exceeds 400 cm	Brahmaputra valley
2. Moderate : Rainfall between 100-200	Northern Ganga plain
3. Low Rainfall : between 50-100 cm	Western Uttar Pradesh

How many pairs given above are correctly matched?

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

31. Consider the following pairs in the context of local winds:

Wind	Key Features
1. Bora :	Cold and moist
2. Sirocco :	Hot and dry
3. Harmattan :	Cold and dry

How many pairs given above are correctly matched?

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

32. Consider the following pairs in the context of the structure of the Atmosphere:

Layer	Key Features
1. Troposphere :	Contains 75% of atmospheric mass
2. Stratosphere :	Ideal for air travel due to stable conditions.
3. Thermosphere :	Most meteors burn up here due to thin air

How many pairs given above are correctly matched?

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

33. In the context of land and sea breezes, consider the following statements:

1. Land breezes originate from high-pressure areas over the land and blow towards the sea.
2. Land breezes are stronger during summer nights than winter nights.
3. Sea breezes are strongest during the monsoon season in tropical regions.

How many of the statements given above are correct?

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

34. With reference to water vapour, consider the following statements:

1. Water vapour absorbs both long-wave terrestrial radiation and short-wave solar radiation.
2. Water vapour increases from the equator towards the poles.
3. Water vapour acts like a blanket allowing the earth neither to become too cold nor too hot.

How many of the statements given above are correct?

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

35. Consider the following statements regarding the cold front:

1. It occurs when a cold air mass moves into a region occupied by a warmer air mass.
2. It leads to the development of cumulus or cumulonimbus clouds and can trigger thunderstorms.

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

36. Consider the following statements regarding orographic rainfall:

1. Orographic rainfall occurs when cold and dry air moves over a mountain range.
2. Orographic rainfall is responsible for heavy precipitation on the leeward side of mountains.
3. Anaimalai and Nilgiri ranges provide favourable conditions for orographic rainfall.

How many of the statements given above are correct?

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

37. In the context of trade winds, consider the following statements:

1. Trade Winds blow from the subtropical high-pressure belts toward the equatorial low-pressure zone.
2. Trade Winds blow from the southeast direction in the Northern Hemisphere.
3. Trade Winds are stronger over land compared to the oceans.

Which of the statements given above is/are correct?

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

38. Consider the following statements:

1. The pressure gradient is strong where the isobars are close to each other.
2. The Coriolis force is inversely proportional to the angle of latitude.
3. At the equator, the wind blows perpendicular to the isobars.

Which of the statements given above is/are correct?

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

39. In the context of isotherms, consider the following statements:

1. Isotherms are lines drawn on a map connecting places with the same temperature.
2. Isotherms shift southwards during summer in the Northern Hemisphere.
3. In the Southern Hemisphere, isotherms are generally more parallel to latitude than in the Northern Hemisphere.

How many of the statements given above are correct?

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

40. The term 'doldrums' often heard in geography roughly corresponds to which of the following regions?

- (a) High-pressure zones in the mid-latitudes
- (b) Low-pressure regions near the equator with calm winds
- (c) Strong winds occurring in the polar regions
- (d) Cyclonic storm systems in the Indian Ocean

41. This climate occurs along the west coast of continents in subtropical latitudes between 30° - 40° latitudes e.g. — Central California, Central Chile, along the coast in south eastern and south western Australia. These areas come under the influence of sub-tropical high in summer and westerly wind in winter. Hence, the climate is characterised by hot, dry summer and mild, rainy winter.

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

- (a) Tropical Wet and Dry Climate
- (b) Humid subtropical Climates
- (c) Mediterranean Climate
- (d) Cold Snow Forest Climates

42. Which of the following conditions are essential for the full development of Karst topography in any region?

1. highly jointed and thinly bedded rocks
2. very low rainfall
3. good groundwater circulation
4. dense and soluble limestone near the surface

Select the correct answer using the code given below.

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

43. Consider the following countries:

1. Jordan
2. Morocco
3. Tunisia
4. Algeria

Which of the countries given above share a border with the Mediterranean sea?

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

44. With reference to river meanders, consider the following statements:

1. Meanders are the result of erosion and deposition both.
2. Meanders are developed through lateral erosion only.
3. Mature streams are more capable of forming meanders.

Which of the statements given above is/are correct?

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

45. Which of the following types of soil erosion occur through the action of water?

1. Scalding
2. Leaching
3. Gully Erosion
4. Stream Bank Erosion
5. Abrasion

Select the correct answer from the code given below.

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

46. The terrigenous deposits are those which are found on the continental shelves and slopes and mainly consist of the rock material derived because of wear and tear.

With reference to the above paragraph, which of the following are examples of terrigenous deposits?

1. Silt
2. Clay
3. Red clay
4. Red mud
5. Siliceous oozes

Select the correct answer using the code given below.

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

47. Which of the following suitably describes North-east India as per Koppen's classification?

- (a) Humid sub-tropical climate with dry winter (Cwg)
- (b) Tropical wet and dry climate (Monsoon Savannah) (Aw)
- (c) Sub-tropical monsoon rainforet (Am)
- (d) Tropical monsoon rainforest (Amw)

48. These forests occur in the areas that receive low rainfall. These consist of a variety of grasses and shrubs. In these forests, plants remain leafless for most part of the year and give an expression of scrub vegetation. Important species found are babool, ber, and wild date palm, khair, neem, khejri, palas, etc. Which of the following types of forests is being described in the above-given passage?
- (a) Dry deciduous forest
 - (b) Montane Forests
 - (c) Tropical thorn forest
 - (d) Moist deciduous forest
49. With reference to the world distribution of rainfall, consider the following statements:
1. The rainfall usually decreases as one moves from the equator towards the poles.
 2. The regions between latitudes 35° and 40° N and S receive heavier rainfall on the western coasts compared to the eastern coasts.
 3. In the western parts of cool temperate regions, rainfall is distributed evenly throughout the year.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only
 - (b) 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
50. With reference to insolation received on the Earth's surface, which one of the following statements is correct?
- (a) The earth's surface receives most of its energy in long wavelengths.
 - (b) Insolation received at the surface is generally higher over the oceans than the continents at the same latitude.
 - (c) The tropics receive more insolation than the equator.
 - (d) The insolation received by the earth on 4th July is slightly more than the amount received on 3rd January.

51. Consider the following states:

1. Madhya Pradesh
2. Haryana
3. Uttar Pradesh
4. Maharashtra
5. Karnataka

In which of the above states do 'Tropical Thorn Forests' occur?

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

52. Consider the following statements regarding Geostrophic Currents:

1. They are ocean currents formed when the pressure gradient force is more than the Coriolis force.
2. The direction of geostrophic flow will be parallel to an isobar.

Which of the statements given above is/are correct?

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

53. Which among the following countries are landlocked?

1. Uzbekistan
2. Iran
3. Armenia
4. Afghanistan
5. Azerbaijan

Select the correct answer using the code given below.

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

54. Consider the following statements:
1. The ocean waters at the equatorial belt records high salinity levels due to higher insolation.
 2. Formation of Sea Ice in oceans decreases salinity levels.

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

55. Consider the following passage :

It is an intermediate type of climate between the British and the Siberian type of climate. It has features of both the maritime and the continental climates. It has cold, dry winters and warm, wet summers. Winter temperatures may be well below freezing-point and snow falls to quite a depth. Summers are as warm as the tropics. Though rain falls throughout the year, there is a distinct summer maximum from the easterly winds from the oceans. In the southern hemisphere, this climatic type is absent.

Which of the climate is being described in the passage given above?

- (a) Tropical Monsoon Climate
- (b) The Cool Temperate Eastern Margin climate
- (c) The Arctic or Polar Climate
- (d) The Warm Temperate Eastern Margin Climate

56. Nagi and Nakti bird sanctuaries were recently designated as Ramsar sites under the Ramsar Convention of 1971. In which of the following states are these sanctuaries located?
- (a) Nagaland
 - (b) Mizoram
 - (c) Bihar
 - (d) Jharkhand

57. Consider the following pairs:

Regional features : **Description**

1. Reh and Kollar : Elevated piece of land along the bank of the upper Ganga-Yamuna Doab
2. Karewas : Thick deposits of glacial clay and other materials embedded with moraines.
3. Bhur : Saline efflorescence of the drier areas in Haryana

How many of the pairs given above are correctly matched?

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

58. Consider the following pairs:

River	Origin	Tributary
1. Ghaghara	: Mapchach	: Rapti
		ungo
2. Krishna	: Trimbekse	: Musi
		hwar
3. Mahanadi	: Dandakara	: Barakar
		nya

How many of the pairs given above are correctly matched?

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

59. Consider the following statements with reference to the properties of soil:
1. Alluvial soil is mature and has well-developed profiles.
 2. Crystalline and metamorphic rocks like gneisses and quartzite act as parent material for the red soil.
 3. Laterite soil is rich in lime and silica.
- Which of the following statements given above are **not** correct?
- (a) 1 and 2 only
 - (b) 1 and 3 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
60. Consider the following pairs:
- | <i>Passes</i> | <i>States</i> |
|---------------|---------------------|
| 1. Bom Di La | : Arunachal Pradesh |
| 2. Jelep La | : Sikkim |
| 3. Mana Pass | : Himachal Pradesh |
| 4. Shipki La | : Uttarakhand |
- How many of the pairs given above are correctly matched?
- (a) Only one
 - (b) Only two
 - (c) Only three
 - (d) All four
61. Consider the following statements regarding the Pench National Park:
1. The national park is located in the Satpura hills.
 2. It has a Pench tiger reserve with the highest density of herbivorous.
 3. It is mostly dominated by deciduous forest with open canopy.
- How many of the above statements are correct?
- (a) Only one
 - (b) Only two
 - (c) All three
 - (d) None

62. Consider the following natural phenomena:
1. Plate tectonics
 2. Volcanic activity
 3. River erosion
 4. Earthquake
- Which of the above geographical phenomena play an important role in the formation of “duns” in the Himalayas?
- (a) 1, 2 and 3 only
 - (b) 3 and 4 only
 - (c) 1 and 3 only
 - (d) 1, 2, 3 and 4
63. Consider the following statements with respect to Chotanagpur Plateau:
1. It is one of the oldest landmasses on the Earth containing Precambrian rocks.
 2. In the past, it was part of the Deccan plateau.
 3. Rajmahal hills forms the southernmost boundary of it.
- 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
64. Consider the following statements regarding ‘Kayals’:
1. They are unique features of the Konkan coast.
 2. Every year the famous Nehru Trophy Vallamkali (boat race) is held in Punnamada Kayal.
 3. The below-sea-level farming in the Kayals of Kuttanad region are recognised as a Globally Important Agricultural Heritage System (GIAHS).
- Which of the following 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

65. Which of the following practices are considered appropriate for soil conservation?
1. Integrated Pest Management
 2. Monocropping
 3. Terrace farming
 4. Strip cropping
 5. Land Tilling
- Select the correct answer using the code given below.
- (a) 1, 3 and 5 only
(b) 2, 3 and 4 only
(c) 1, 3 and 4 only
(d) 2, 4 and 5 only
66. Consider the following statements with respect to polymetallic nodules:
1. Polymetallic Nodules are generally located in the shallow water of oceanic shelf.
 2. They are formed from the hot springs associated with volcanic activities.
- Which of the statements given above is/are correct?
- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2
67. With reference to the water on the planet Earth, arrange the following sources of freshwater in terms of percentage of water in increasing order:
1. Ice caps and glaciers
 2. Atmosphere
 3. Groundwater
 4. Streams and rivers
- Select the correct answer using the code given below.
- (a) 2-3-4-1
(b) 4-2-3-1
(c) 3-4-1-2
(d) 1-3-2-4

68. Consider the following statements with respect to the rock system of India:
1. The Vindhya rock system is largely devoid of metalliferous minerals
 2. The Dravidian Rock system entirely lies in the peninsular plateau.
 3. Archean Gneisses and Schist rocks are normally fossiliferous.
 4. The Bhangar and Khadar regions of the Great Northern Plains contain significant Tertiary rocks.
- Which of the statements given above are correct?
- (a) 1 and 2 only
(b) 2 and 3 only
(c) 3 and 4 only
(d) 1 and 4 only
69. This dam is the fourth oldest water-regulator structure in the world and the oldest in India that is still in use. It was built by Karikala king of the Chola Dynasty in 150CE. It was built across the Cauvery River in the Thanjavur district of Tamil Nadu. The above passage describes which of the following dams:
- (a) Krishna Raja Sagara Dam
(b) Idduki Dam
(c) Kallanai Dam
(d) Mettur Dam
70. Consider the following statements regarding the Luni River:
1. It is saline in nature because of excessive limestone at its place of origin
 2. It makes a saline estuary when falls in the Gulf of Khambhat
- Which of the statements given above is/are correct?
- (a) 1 only
(b) 2 only
(c) 1 and 2 both
(d) Neither 1 nor 2

71. Consider the following statements regarding the soil formation process:
1. Eluviation is the process of accumulation of materials that have been washed down from the upper layer to the lower horizon.
 2. Calcification is more pronounced in cool and humid regions where bacterial activity is low.
 3. In Alkalisation, extreme evaporation brings the underground salts to the surface and left a whitish fluorescent.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 3 only
 - (d) 1, 2 and 3
72. Which of the following most appropriately explains the formation of a second tidal bulge on the opposite side of the Earth from the moon?
- (a) The Earth's rotation causes the water to bulge uniformly on both sides
 - (b) The gravitational pull of the Sun creates a second bulge on the opposite side
 - (c) The centrifugal force from the Earth-Moon system's rotation creates the second bulge
 - (d) Ocean currents in the opposite direction create a second bulge
73. Consider the following statements with reference to changes in oceanic temperature:
1. At higher latitudes, enclosed seas are warmer than the open seas.
 2. The rate of decrease of temperature with depth in the ocean is greater at the equator compared to the pole.
- Which of the statements given above is/are correct?
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2

74. Consider the following statements with reference to ocean currents in the Indian Ocean:
- Statement I: Unlike the Atlantic and Pacific Oceans, the ocean currents in the North Indian Ocean change their direction of flow twice a year.
- Statement II: The Northern Indian Ocean is largely landlocked and is influenced by the distinct patterns of monsoonal winds.
- 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
75. Consider the following pairs:
- | <i>Ocean relief</i> | : | <i>Description</i> |
|----------------------------|---|---------------------------------------------------------------------------|
| 1. Shoals | : | Flat-topped elevation with shallow water but useful for navigable purpose |
| 2. Guyots | : | Flat-topped mountains that do not reach the ocean surface |
| 3. Trenches | : | Shallow depressions formed at the convergent boundaries |
- How many of the pairs given above are correctly matched?
- (a) Only one
 - (b) Only two
 - (c) All three
 - (d) None

76. Consider the following pairs:

<i>Landforms</i>		<i>Agent</i>
1. Drumlins	:	Glacier
2. Cliff	:	Wind
3. Spits	:	Waves

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

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

77. Consider the following statements about volcanic landforms:

- 1. Dykes are lava in the volcanic fissures which are solidified almost parallel to the ground.
- 2. Cinder cone volcanoes are formed by basaltic flow which is less viscous in nature.
- 3. Deccan plateau is an example of fissure type basaltic lava flow

Select the correct answer using the codes given below.

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

78. Arrange the following lakes from south to north:

- 1. Lhonak Lake
- 2. Pampa Lake
- 3. Vembanad Lake
- 4. Pangong Lake

Select the correct answer using the code given below.

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

79. Consider the following forces:

- 1. Earth's internal heat
- 2. Coriolis effect
- 3. Convectional currents in the mantle

Which of the above forces drive endogenic movements?

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

80. "These movements are characterized by slow, vertical movements of the Earth's crust, affecting regions that can span hundreds to thousands of kilometers. These movements exhibit minimal folding of rock layers and are often related to isostatic adjustments, where the Earth's crust responds to changes in load, such as glacial melting or sediment deposition, by rising or sinking. "

The above passage describes which of the following processes?

- (a) Mass movement
- (b) Orogenic movement
- (c) Earthquakes
- (d) Epeirogenic movement

81. Which one of the following forces is the primary driver of exogenic processes on the Earth's surface?

- (a) Convection currents in the Earth's mantle
- (b) The primordial heat inside the earth
- (c) Solar radiation and atmospheric circulation
- (d) Radioactive decay in the Earth's interior

82. Which one of the following terms describes the combined effects of weathering, erosion, and deposition on the Earth's surface?

- (a) Denudation
- (b) Isostasy
- (c) Stratification
- (d) Lithification

83. Consider the following statements regarding physical and chemical weathering:

1. Physical weathering involves the mechanical breakdown of rocks, while chemical weathering alters the chemical structure of minerals within the rock.
2. Physical weathering is more prevalent in warm, humid climates, whereas chemical weathering occurs rapidly in environments with significant temperature fluctuations.

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

84. Consider the following lists I and II:

<i>Plains (List I)</i>	<i>Definition (List II)</i>
A. Peneplains	1. Formed by sediment deposition from glacial meltwater
B. Outwash Plains	2. Formed by sediment deposition in lake beds
C. Lacustrine Plains	3. Low-relief plain by prolonged erosion over geological time

Match list I with list II and select the correct answer using the code given below.

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

85. "It is a dissected plateau formed as a result of upward movement in the Earth's crust. This uplift is caused by the slow collision of the Indo-Australian and Eurasian tectonic plates. It is the largest plateau in the world. This plateau is sufficiently high enough to reverse the Hadley cell convection cycles in the atmosphere."

Which of the following plateau is best described by the above passage?

- (a) Tibetan Plateau
- (b) Malwa Plateau
- (c) Deccan plateau
- (d) Columbia Plateau

86. Foliation, defined as the planar arrangement of mineral grains within a rock due to differential pressure and temperature, is primarily associated with which type of rock?

- (a) Plutonic rock
- (b) Metamorphic rock
- (c) Sedimentary rock
- (d) Volcanic rock

87. With reference to continental drift theory, consider the following statements:

1. It was proposed by German geophysicist Alfred Wegener.
2. All continents were once part of a single supercontinent called Panthalassa.
3. The interaction of gravity, pole-fleeing force, and tidal forces contributed to the movement of continents.

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

- 88.** Consider the following statements regarding eclipses:
1. A solar eclipse can only occur when the Moon is in its new moon phase.
 2. A lunar eclipse can only occur when the Moon is in its full moon phase.
- 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
- 89.** Which of the following was responsible for the loss of Earth's primordial atmosphere, composed primarily of hydrogen and helium?
- (a) Degassing
(b) Photosynthesis
(c) Solar winds
(d) Oxygen saturation
- 90.** Which of the following best describes the "Nebular Hypothesis"?
- (a) The universe began with a massive explosion, and galaxies are moving farther apart over time.
- (b) The planets were formed out of a slowly rotating cloud of material surrounding a youthful Sun.
- (c) The Earth and the other planets were formed directly from the explosion of a star.
- (d) The Sun and the planets formed from particles created after the Big Bang.

- 91.** Which of the following best explains "Planetesimals"?
- (a) Planetesimals are large, gaseous bodies that orbit the Sun and evolve into stars.
- (b) Planetesimals are small, solid objects formed from the condensation of gas and dust, which later merge to form planets.
- (c) Planetesimals are small fragments of comets and asteroids, commonly found in the asteroid belt.
- (d) Planetesimals are remnants of stars that have exploded in supernovae, forming heavy elements.
- 92.** Consider the following statements regarding the similarity between Mars and Earth:
1. Both have strong magnetic fields that protect them from solar radiation.
 2. Both have day lengths that are nearly the same.
 3. Both have a similar axial tilt, which leads to seasons.
- 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
- 93.** Which of the following correctly identifies the era, period, and epoch in which we are currently living?
- (a) Mesozoic Era, Jurassic Period, Pleistocene Epoch
- (b) Cenozoic Era, Quaternary Period, Holocene Epoch
- (c) Paleozoic Era, Devonian Period, Holocene Epoch
- (d) Cenozoic Era, Tertiary Period, Miocene Epoch

94. Consider the following statements regarding the western and eastern coastal plains:
1. The short continental shelf on the eastern coast makes it less suitable for the development of ports and harbors.
 2. Western coastal plains are an example of submerged coastal 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
95. Consider the following statements regarding the rotation and revolution of the Earth:
1. If the Earth's rotation were to slow down, it would result in shorter days and longer nights.
 2. The axial tilt of the Earth is responsible for the variation in seasons throughout the year.
 3. The Coriolis effect is a result of the Earth's revolution around the Sun.
- Which of the statements given above are **not** correct?
- (a) 1 and 2 only
(b) 1 and 3 only
(c) 2 and 3 only
(d) 1, 2 and 3
96. Consider the following statements:
1. During the winter solstice in the Northern Hemisphere, the hemisphere is tilted away from the Sun, resulting in shorter days.
 2. During the summer solstice in the Southern Hemisphere, the Sun is directly over the Tropic of Capricorn.
 3. During the autumnal equinox, the Northern Hemisphere receives direct sunlight, causing the longest days of the year.
- How many of the above statements are correct?
- (a) Only one
(b) Only two
(c) All three
(d) None

97. Consider the following statements regarding Earth's core:
1. The inner core is primarily composed of iron and nickel.
 2. The outer core is liquid, and its movement generates Earth's magnetic field.
 3. The inner core experiences immense pressure, keeping it solid despite high temperatures.
- How many of the above statements are correct?
- (a) Only one
(b) Only two
(c) All three
(d) None
98. Consider the following statements regarding Red soil:
1. They develop in areas of low rainfall.
 2. They retain moisture for a long time compared to black soil.
 3. They are generally rich in nitrogen, phosphorous, and humus.
- Which of the statements given above are **not** correct?
- (a) 1 and 2 only
(b) 2 and 3 only
(c) 1 and 3 only
(d) None
99. Consider the following statements with reference to the ocean floors:
1. The continental shelf is the shallowest part of the ocean which ends at shelf break.
 2. The deep sea plain are the deepest and flattest part of the ocean.
- Which of the statements given above is/are correct?
- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2

100. Consider the following statements with reference to the Earth's Interior:

1. The temperature increases linearly with depth throughout the Earth.
2. Pressure increases from the surface of the earth towards its core due to enormous weight of the overlying rock.
3. Density decreases towards the Earth's center due to increasing temperature.

How many of the statements given above are correct?

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