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Test Booklet Series

TEST BOOKLET

C

GENERAL STUDIES (P) 2024 – Test – 4128

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. Which of the following factors affect insolation at the surface of the earth?

1. Rotation of the earth on its axis
2. The angle of inclination of the sun's rays
3. The length of the day
4. The transparency of the atmosphere
5. Configuration of land in terms of its aspect

Select the correct answer using the code given below.

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

2. Terracing is a method of soil conservation used to

- (a) prevent gully erosion and control their formation
- (b) protect cultivable lands from encroachment by sand dunes
- (c) reduce the impact of wind and water on bare soil
- (d) carry surface runoff across land without causing erosion

3. The red soil of India has been formed due to the weathering of

- (a) brown forest soil in areas of low rainfall.
- (b) sandstone and quartzite in areas of high rainfall.
- (c) crystalline igneous rocks in areas of low rainfall.
- (d) shale and limestone in areas of high rainfall.

4. Which of the following conditions aids in the growth of Tropical Evergreen forests in India?

1. Topography of the western slope of the Western Ghats
2. Warm and humid areas with an annual precipitation of over 200 cm
3. Mean annual temperature above 35 degrees Celsius.

Select the correct answer using the code given below.

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

5. Consider the following statements:

1. During equinoxes, all parts of the world have equal days and nights.
2. Equinoxes occur during the months of June and December every year.

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. With reference to the Mediterranean region, which of the following is/are cold local winds?

1. Sirocco
2. Mistral
3. Bora

Select the correct answer using the code given below.

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

7. Consider the following pairs:

Peak	Location
1. Mahendragiri	: Eastern Ghats
2. Doddabetta Peak	: Cardamom hills
3. Anai Mudi	: Nilgiri Hills
4. Dhupgarh	: Mahadeo Hills

Which of the pairs given above are correctly matched?

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

8. With reference to the alluvial soils of India, consider the following statements:

- 1. They are depositional soils, transported and deposited by rivers and streams.
- 2. They are generally rich in phosphorus but poor in potash.

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. With reference to the distribution of volcanoes in the world, consider the following statements:

- 1. Mt. Cameroon is an active volcano in East African Rift Valley.
- 2. Mt. Kilimanjaro is an extinct volcano in West Asia.
- 3. Most of the volcanic activities take place below the sea.

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) 1, 2 and 3

10. Recently, the Ministry of Culture announced a year-long commemoration of the birth anniversary of Santh Sevalal Maharaj. He is a spiritual teacher/guru of which of the following communities?

- (a) Gujjar
- (b) Hatti
- (c) Banjara
- (d) Kalbeliya

11. Arrange the following gases in decreasing order of their share in the atmosphere.

- 1. Carbon Dioxide
- 2. Oxygen
- 3. Hydrogen
- 4. Argon

Select the correct answer using the code given below.

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

12. Gersoppa Falls in India is formed by which one of the following rivers?

- (a) Kaveri
- (b) Sharavati
- (c) Pennar
- (d) Tungabhadra

13. With reference to data embassies, consider the following statements:

- 1. They are a set of servers that store one country's data in another country.
- 2. It is a physical data center of trusted nations that enjoy diplomatic immunity from local laws.

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. In the context of the Indian Monsoon, which of the following best describes the reason for the break in monsoon over northern India?
- (a) The rain-bearing storms are not very frequent along the monsoon trough over northern India.
 - (b) The rain-bearing monsoon winds blow parallel to the west coast of India.
 - (c) The rain-bearing monsoon winds blow parallel to the east coast of India.
 - (d) The westerly jet stream withdraws from its position over the north Indian plain.

15. This forest covers vast areas of the country, where rainfall ranges between 70 -100 cm. In the higher rainfall regions of the Peninsular plateau and the northern Indian plain, these forests have a parkland landscape with open stretches in which teak and other trees interspersed with patches of grass are common. As the dry season begins, the trees shed their leaves entirely and the forest appears like a vast grassland with naked trees. Tendu, palas, amaltas, bel, khair, axlewood, etc. are the common trees of these forests.

Which of the following types of forests is being described in the above given passage?

- (a) Moist deciduous forest
- (b) Dry deciduous forest
- (c) Semi evergreen forest
- (d) Tropical thorn forest

16. Consider the following statements with regard to the Paris Club:

- 1. Its main objective is to find sustainable debt-relief solutions for countries that cannot repay their bilateral loans.
- 2. India is a member of this club.

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. Consider the following statements:

- 1. The Chilika Lake is the largest freshwater lake in India.
- 2. India's only active volcano is found on Barren island in the Lakshadweep group of Islands.

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

18. These are types of local storms, which are dreaded evening thunderstorms in Bengal and Assam. These showers are useful for tea, jute, and rice cultivation. In Assam, these storms are known as "Bardoli Chheerha".

Which of the following local storm is mentioned in the above passage?

- (a) Loos
- (b) Blossom shower
- (c) Norwesters
- (d) Mango Shower

19. With reference to the measurement of earthquakes, consider the following statements:

- 1. The Richter scale is a magnitude scale calculated by the logarithm of the amplitude of waves.
- 2. The Mercalli scale is an intensity scale used to quantify the effect of an earthquake on human life.

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

20. Which of the following are the characteristics of weather in the Indian subcontinent in the summer season?

1. Intertropical Convergence Zone shifts to 20° N and 25° N.
2. Withdrawal of Easterly jet streams
3. Onset of Westerly jet streams on the peninsula

Select the correct answer using the code given below.

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

21. Consider the following passage:

These volcanoes are characterized by eruptions of cooler and more viscous lavas than basalt. These volcanoes often result in explosive eruptions. Along with lava, large quantities of pyroclastic material and ashes find their way to the ground. This material accumulates in the vicinity of the vent openings leading to formation of layers, and gives a distinct appearance.

Which of the following types of volcano is described in the above passage?

- (a) Shield Volcano
- (b) Composite Volcano
- (c) Calderas
- (d) Flood basalt Volcano

22. Consider the following statements regarding the distribution and direction of monsoon rainfall across India:

1. Rainfall in the western Himalayas is often caused by the joining of the Arabian Sea branch and the Bay of Bengal Branch.
2. Arakan valley has a significant role in directing the Bay of Bengal branch towards the Indian sub-continent.

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

23. In terms of percentage, arrange the share of the following sources of freshwater in increasing order.

1. Ice Caps and Glaciers
2. Lakes
3. Atmosphere
4. Streams and rivers

Select the correct answer using the code given below.

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

24. With reference to River Cities Alliance (RCA), consider the following statements:

1. The alliance is open to only those cities which are situated across the river Ganga.
2. It is a collaborative effort between the National Mission for Clean Ganga (NMCG) and the National Institute for Urban Affairs (NIUA).

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

25. Which of the following commonly found plants in India have medicinal properties?

1. Sarpagandha
2. Babool
3. Arjun
4. Kachnar

Select the correct answer using the code given below.

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

26. Consider the following pairs:

<i>Relief Features</i>	<i>Physiographic division</i>
------------------------	-------------------------------

- | | |
|-------------|-------------------------|
| 1. Karewas | : Kashmir Himalayas |
| 2. Barchans | : Great Himalayan range |
| 3. Bugyals | : Great Indian Desert |

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

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

27. With reference to the earthquakes, consider the following statements:

1. Deep-focus earthquakes are highly destructive because of high wave amplitude at the surface.
2. The Circum-pacific belt accounts for 65 percent of the total earthquakes in the world.

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 is/are cold ocean currents?

1. Benguela current
2. Humboldt current
3. Kuroshio current

Select the correct answer using the code given below.

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

29. Consider the following statements:

1. Mizoram is unique by the presence of the 'Loktak' lake at the center, surrounded by mountains from all sides.
2. Manipur is also known as the 'Molasses basin' made up of soft unconsolidated deposits.

Which of the statements given above is/are correct?

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

30. Consider the following mountain ranges in India:

1. Satpura Range
2. Shiwalik Range
3. Vindhya Range

What is the order of the above ranges from North to South direction?

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

- 31.** With reference to soil erosion, consider the following statements:
1. Gully erosions are commonly found on dry and arid-leveled lands.
 2. Sheet erosion is common on steep slopes.
 3. A region with a large number of deep gullies or ravines is called a badland.
- Which of the statements given above is/are correct?
- (a) 2 only
(b) 3 only
(c) 1 and 3 only
(d) 1, 2 and 3
- 32.** Consider the following statements with respect to Koeppen's scheme of classification of Indian climatic regions:
1. It classified India into ten major climatic regions.
 2. It classified the Coromandel coast of Tamil Nadu as a 'Monsoon with dry summer' climatic region.
- Which of the statements given above is/are **not** correct?
- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2
- 33.** Consider the following statements regarding aldermen:
1. They are members of a city council or municipal body.
 2. They do not have the right to vote in meetings.
- 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

- 34.** Which of the following can be found in the vegetation cover of the Himalayan ranges?
1. Deciduous forests
 2. Montane Wet Temperate Forests
 3. Evergreen broad leaf trees
 4. Temperate grasslands
 5. Alpine forests
- Select the correct answer using the code given below.
- (a) 1, 2, 3 and 5 only
(b) 1, 2 and 4 only
(c) 3 and 5 only
(d) 1, 2, 3, 4 and 5
- 35.** In the context of our solar system, arrange the following planets in increasing order of their density.
1. Mercury
 2. Earth
 3. Mars
 4. Jupiter
- Select the correct answer using the code given below.
- (a) 1-3-4-2
(b) 4-3-1-2
(c) 4-1-2-3
(d) 3-4-2-1
- 36.** With reference to the Temperate continental (Steppe) climate, consider the following statements:
1. It has less maritime influence.
 2. It has the presence of deciduous trees which shed their leaves in the cold and dry seasons.
 3. It has the presence of local winds like Fohn and Chinook.
- 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

37. Consider the following statements regarding clouds:
1. Cirrus clouds are formed at high altitudes and have a feathery appearance.
 2. Cumulus clouds look like cotton wool with a flat base and exist in patches.
 3. Stratus clouds are black or dark gray and are formed at middle levels or very near to the surface.
- Which of the statements given above is/are correct?
- (a) 1 only
 - (b) 1 and 2 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
38. Consider the following statements with regard to the India State of Forest Report 2021:
1. The total forest cover in India is less than 25 per cent.
 2. In the total forest cover, the share of open forests is more than dense forests.
 3. Lakshadweep has zero per cent forest area.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only
 - (b) 2 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
39. What is 'aubrite' recently seen in the news?
- (a) It is a rare earth metal.
 - (b) It is a meteorite.
 - (c) It is a cryptocurrency.
 - (d) It is a type of lab-grown diamond.

40. In which of the following types of erosion a fairly uniform layer of soil is removed over an entire surface area?
- (a) Gully erosion
 - (b) Rill erosion
 - (c) Sheet erosion
 - (d) Bank erosion
41. Consider the following pairs:
- | Rock | Type |
|--------------|----------------|
| 1. Gabbro | : Metamorphic |
| 2. Limestone | : Sedimentary |
| 3. Marble | : Igneous Rock |
- Which of the pairs given above is/are correctly matched?
- (a) 1 and 2 only
 - (b) 2 only
 - (c) 1 and 3 only
 - (d) 3 only
42. Which of the following statements is/are the reason for the small daily and annual range of temperature in the southern part of India?
1. Southern part of India lies in the tropical zone.
 2. Southern part of India has a long coastline.
- Select the correct answer using the code given below.
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2

43. Northern Ireland Protocol was recently seen in the news in the context of affairs of United Kingdom and European Union. In this context, which of the regions given below are part of the United Kingdom (UK)?

1. Wales
2. Scotland
3. England
4. Northern Ireland
5. Republic of Ireland

Select the correct answer using the code given below.

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

44. With reference to the seismic zones of India, consider the following statements:

1. The Koyna region of Maharashtra falls in the Seismic Zone V.
2. The North-East of India falls in the Seismic Zone IV.
3. The Konkan coast of India falls in the Seismic Zone II.

Which of the statements given above is/are correct?

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

45. Consider the following statements regarding the mammatus clouds:

1. These clouds are usually formed in association with large cirrostratus clouds.
2. It is a cellular pattern of pouches hanging underneath the base of a cloud.

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

46. Arrange the following elements in increasing of their weight percentage in the earth's crust:

1. Oxygen
2. Silicon
3. Aluminium
4. Iron

Select the correct answer using the code given below.

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

47. Arrange the following coasts of the western coastal plains from north to south.

1. Kathiawar coast
2. Konkan coast
3. Kachchh coast
4. Malabar coast

Select the correct answer using the code given below.

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

48. Consider the following statements regarding Savanna type climate:

1. This type of climate is best developed in Sudan.
2. It is characterized by extreme diurnal range of temperature.

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

49. Consider the following term 'expunction', which is used in the day-to-day working of the parliament in India:

1. It is the removal of certain words, sentences, or portions of a speech from the records of Parliament.
2. The Presiding Officer of the House has the discretion to expunge the word or usage.
3. Rules of Procedure and Conduct of Business in Parliament provide for 'expunction'.

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. Consider the following statements regarding the earth's crust:

1. Oceanic crust is thicker when compared to continental crust.
2. Oceanic crust is made up of basaltic rock.

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

51. Which of the following volcanoes is known as the 'Lighthouse of the Mediterranean'?

- (a) Mt. Chimborazo
- (b) Mt. Stromboli
- (c) Mt. Fuji
- (d) Mt. Vesuvius

52. Consider the following statements with reference to the influence of climate on soil:

1. Soil in tundra regions has deeper profiles compared to soils in tropical regions.
2. Bacterial action in the soil is relatively slow in tundra regions as compared to tropical regions.

Which of the statements given above is/are correct?

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

53. Which of the following factors affect the temperature of a place?

1. Latitude
2. Altitude
3. Continentality
4. Ocean currents
5. Slope

Select the correct answer using the code given below.

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

54. Which of the following are the possible factors behind earthquakes?

1. Mining activity
2. Volcanoes
3. Tectonic movements
4. Reservoir-induced seismicity

Select the correct answer using the code given below.

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

55. Consider the following statements with respect to circuit breaker in the stock market:
1. It is an emergency-use regulatory measure that temporarily halts trading on an exchange.
 2. It caps how much the value of a stock can fall in a single trading session.
- 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
56. Consider the following statements regarding MicroLED:
1. They have brighter and better color reproduction than OLED.
 2. The basis of microLED technology is sapphires which can shine on their own forever.
- 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
57. With reference to El Nino, which of the following statements are correct?
1. It leads to an increase in the temperature of the water on the Peruvian coast.
 2. It results in an increase in the number of plankton in the Eastern Pacific ocean.
 3. It can delay the onset of southwest monsoons in India.
- Select the correct answer using the code given below.
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3

58. Consider the following pairs:

<i>Craft</i>	<i>State</i>
1. Longpi pottery	: Sikkim
2. Dokra craft	: Chhattisgarh
3. Pattachitra paintings	: Odisha

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

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

59. Which of the following is/are essential reasons for the formation of major deserts of the world?

1. Presence of on-shore trade winds
2. Interior continental location
3. Rain-shadow position on the leeward side of mountains

Select the correct answer using the code given below.

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

60. The term 'Bard' recently seen in the news is associated with which of the following?

- (a) Google's own conversational AI chatbot.
- (b) 3-D printed drugs manufactured by Zydus Lifesciences Ltd.
- (c) World's most powerful supercomputer.
- (d) World's most advanced drone developed by Lockheed Martin.

- 61.** Consider the following statements regarding the drainage patterns:
1. The tributaries of a dendritic drainage pattern join the main stream at nearly right angles.
 2. A radial pattern is found in areas with a central uplift and outward-flowing streams.
- 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
- 62.** Consider the following statements with respect to Biodiversity Heritage Sites (BHS):
1. The State Governments are empowered to notify BHS under the Environment Protection Act, 1986.
 2. Yaya Tso is Ladakh's first biodiversity heritage site.
- 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
- 63.** Which of the following explains the excessive cold in northern India during the months of December-January?
1. Continentality
 2. Snowfall in the Himalayas
 3. Impact of cold winds coming from the Tibetan plateau
- Select the correct answer using the code given below.
- (a) 1 only
(b) 2 and 3 only
(c) 1 and 2 only
(d) 1, 2 and 3

- 64.** Consider the following statements regarding the Himalayan Range:
1. The part of the Himalayas lying between river Indus and Satluj are known as Punjab Himalaya.
 2. The part of the Himalayas lying between the Satluj and Kali rivers is known as Kumaon Himalayas.
 3. The part of the Himalayas lying between the Tista and Dihang rivers is known as Assam Himalayas.
- 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
- 65.** With reference to the Northern plains, consider the following statements:
1. The gently-sloping coarse alluvial zone at the foothills of Shivalik where streams disappear sediments is known as Bhabar.
 2. The older alluvium with a higher sandy loam component is known as Khadar.
 3. The newer, younger deposits of the floodplains are called Bhangar.
- Which of the statements given above is/are correct?
- (a) 1 only
(b) 1 and 2 only
(c) 2 and 3 only
(d) 1, 2 and 3
- 66.** In the context of wind as the dominant external agent in forming landforms, which of the following landforms is/are formed due to erosional activity of wind erosion?
1. Zeugen
 2. Mesa
 3. Barchan
- Select the correct answer using the code given below.
- (a) 1 only
(b) 1 and 2 only
(c) 2 and 3 only
(d) 1, 2 and 3

67. Consider the following peninsular rivers:

1. Subarnarekha
2. Sharavati
3. Brahmani

Which of the rivers given above flow from east to west?

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

68. In the context of landform development due to water action, which of the landforms are formed due to erosional action of water?

1. Valleys
2. Plungepools
3. Pointbars
4. Alluvial fans

Select the correct answer using the code given below.

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

69. Consider the following statements regarding the virtual reality:

1. It is a 3-dimensional, digital environment completely generated through computers.
2. Like augmented reality, one does not require any equipment or gear to view virtual reality images.

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

70. Which of the following rivers are tributaries of Brahmaputra?

1. Subansiri
2. Lohit
3. Barak
4. Dibang

Select the correct answer using the code given below.

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

71. With reference to the tsunami, consider the following statements:

1. The wave height of a tsunami decreases rapidly as it reaches shallow water from the open ocean.
2. The speed of a tsunami increases as it reaches shallow water from the open 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

72. With reference to azonal soils, consider the following pairs:

Soil	Characteristics
1. Regosol	: a regular supply of sediments
2. Lithosol	: eroded soil on the steep slopes
3. Alluvial	: dry and loose dune sands

- | | |
|-------------|-----------------------------------|
| 1. Regosol | : a regular supply of sediments |
| 2. Lithosol | : eroded soil on the steep slopes |
| 3. Alluvial | : dry and loose dune sands |
- How many pairs given above are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) All the three pairs
- (d) None of the pairs

73. With reference to the Ganga river system, consider the following pairs:

<i>Place of confluence</i>	<i>Confluence of Rivers</i>
----------------------------	-----------------------------

- | | |
|-----------------|-------------------------------|
| 1. Devprayag | : Bhagirathi meets Alaknanda |
| 2. Vishnuprayag | : Dhauliganga joins Alaknanda |
| 3. Rudraprayag | : Pindar joins Alaknanda |
- Which of the pairs given above is/are correctly matched?

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

74. Consider the following statements with respect to reverse flipping:

- 1. It is the process of shifting the domicile of an overseas entity back to India.
- 2. Companies reverse flip due to VISA restrictions for employees in western countries.

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

75. Consider the following passage:

"These are large dome-shaped intrusive bodies with a level base and connected by a pipe-like conduit from below. It resembles the surface volcanic domes of composite volcano, only these are located at deeper depths. It can be regarded as the localised source of lava that finds its way to the surface."

Which of the following volcanic intrusive landform is being described in the passage given above?

- (a) Batholith
- (b) Laccolith
- (c) Dyke
- (d) Sill

76. Which of the following is/are the characteristic/characteristics of regur or black soils?

- 1. They are formed from volcanic lava.
- 2. They are poor in iron content.
- 3. They are self-ploughing in nature.

Select the correct answer using the codes given below.

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

77. Which of the following statements regarding the laterite soils of India are correct?

- 1. They are normally heavy and black in colour.
- 2. They are rich in organic matter and humus.
- 3. They are well-developed in areas with high temperature and high rainfall.
- 4. They are widely cut as bricks for use in house construction.

Select the correct answer using the code given below.

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

78. With reference to the landforms associated with volcanic activities, consider the following statements:

- 1. Sills are solidified horizontal lava layers inside the earth.
- 2. Dykes are vertical intrusions that develop into wall-like structure.
- 3. Batholiths are huge masses of igneous rocks formed due to the solidification of hot magma inside the earth.

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

- 79.** Consider the following statements regarding Hot Wet Equatorial Climate:
1. The diurnal range of temperature is very small but the annual range of temperature is high.
 2. The double rainfall peaks coinciding with the equinoxes are a characteristic feature of equatorial climate.
- 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
- 80.** What is common between *Baiga Pardhauni*, *Gusadi* and *Harul*?
- (a) These are harvest festivals celebrated by tribal communities.
 - (b) These are GI tagged rice varieties.
 - (c) These are traditional saree varieties.
 - (d) These are tribal dances.
- 81.** With reference to the lava erupting from a volcano, consider the following statements:
1. Basic lava is highly fluid and poor in iron and magnesium.
 2. Acid lava is highly viscous with a high melting point.
- 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

- 82.** Consider the following pairs:
- | <i>Tribes</i> | <i>State</i> |
|---------------|---------------------|
| 1. Irula | : Telangana |
| 2. Toto | : Arunachal Pradesh |
| 3. Bondo | : Odisha |
- Which of the pairs given above is/are correctly matched?
- (a) 1 and 2 only
 - (b) 3 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
- 83.** Consider the following statements with regard to social forestry:
1. Urban forestry pertains to the raising and management of trees on public lands only.
 2. Agro-forestry is the raising of trees and agriculture crops on the same land inclusive of the waste patches.
 3. Community forestry involves the raising of trees on public, privately owned or community lands.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only
 - (b) 2 only
 - (c) 3 only
 - (d) 2 and 3 only
- 84.** With reference to the Inter-Tropical Convergence Zone (ITCZ), consider the following statements:
1. It is an area where air tends to descend.
 2. In July, ITCZ is located around 20°S-25°S.
 3. Shift in ITCZ causes the trade winds of the southern hemisphere to cross the equator.
- 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

- 85.** Consider the following pairs:
- | <i>Island</i> | <i>Ocean</i> |
|---------------|-----------------|
| 1. Sardinia | : Mediterranean |
| 2. Zanzibar | : Atlantic |
| 3. Vancouver | : Pacific |
- 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
- 86.** In the context of landform formation, Cirques, Aretes and Bergschrunds are:
- (a) landforms of glaciation
(b) landforms of wind erosion
(c) landforms of water erosion
(d) landforms of Karst topography
- 87.** Arrange the following Indian cities from north to south:
- Chennai
 - Bengaluru
 - Bhopal
 - Jaipur
- Select the correct answer using the code given below.
- (a) 3-2-4-1
(b) 3-4-2-1
(c) 4-3-2-1
(d) 4-3-1-2
- 88.** Consider the following statements regarding earthquakes:
- All natural earthquakes take place in the lithosphere.
 - P waves (Primary) are considered to be the most damaging waves in an earthquake.
- 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.** With reference to the Indus river, consider the following statements:
- It originates from a glacier in the Kailash Mountain range.
 - The Satluj is the largest tributary of the Indus.
 - The Indus flows in India only through the Union Territory of Jammu and Kashmir.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only
(b) 2 and 3 only
(c) 1 only
(d) 1, 2 and 3
- 90.** With reference to the arid soils in India, consider the following statements:
- They are generally sandy in structure and saline in nature.
 - They lack moisture and contain little humus and organic matter.
- 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 phenomenon of 'October heat':
- It occurs during the retreating monsoon season.
 - It is marked by clear skies and high temperatures.
 - Lack of moisture exacerbates the heat during this season.
- 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

92. In the context of plate tectonics, which of the following are classified as minor plates?
1. Pacific plate
 2. Cocos plate
 3. Nazca plate
- Select the correct answer using the code given below.
- (a) 1 only
(b) 2 and 3 only
(c) 3 only
(d) 1, 2 and 3
93. Consider the following:
- Assertion (A):** The Eastern coastal plain is broader and is an example of an emergent coast.
- Reason (R):** It has less number of ports and harbors.
- In the context of the statements given above, which one of the following is correct?
- (a) Both A and R are true but, R is the correct explanation of A.
(b) Both A and R are true but, R is not the correct explanation of A.
(c) A is true, but R is false.
(d) A is false, but R is true.
94. Consider the following statements regarding the British type or The Cool Temperate Western Margin type climate :
1. These are under the permanent influence of westerlies all round year.
 2. It has adequate rainfall throughout the year with a tendency towards a slight summer maximum.
 3. There are four distinct seasons in this climate.
- 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

95. Which of the following statements best describes the term 'follow on public offer', recently seen in the news?
- (a) A company issuing of additional new shares to its investors.
(b) A private company going public by the sale of its stocks to the general public.
(c) A company buying its own outstanding shares to reduce the number of shares available on the open market.
(d) A process by which an underwriter attempts to determine the price at which an initial public offering (IPO) will be offered.
96. Most of the major Peninsular rivers, except Narmada and Tapi, flow from west to east due to
- (a) the peninsula's tilt towards the southeast.
(b) discontinuous mountain range in the eastern region.
(c) upheaval of the Himalayas.
(d) the large catchment area of Peninsular rivers.
97. Consider the following statements regarding the New START treaty often mentioned in the news:
1. It is a nuclear arms reduction treaty between the United States and Iran.
 2. Under it, deploying not more than 1000 strategic nuclear warheads and a maximum of 500 long-range missiles and bombers has been provided.
- 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. Arrange the following states/UTs of India in descending order as per the area under mangrove forests:

1. Andaman and Nicobar Islands
2. Maharashtra
3. West Bengal
4. Gujarat

Select the correct answer using the code given below.

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

99. "A warm summer with off-shore trade winds, a concentration of rainfall in winter with onshore westerlies; bright, sunny weather with hot dry summers and wet, mild winters and prominence of local winds."

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

- (a) Monsoon
- (b) China type
- (c) Savannah
- (d) Mediterranean

100. With reference to the earthquakes, consider the following statements:

1. The point where the energy is released is called the focus.
2. The point directly above the focus is called the hypocentre.
3. Epicenter is the first point that experiences earthquake waves.

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

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