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Test Booklet Series

TEST BOOKLET

C

GENERAL STUDIES (P) 2018 – Test–2430

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. Aphelion is the position of
 - (a) moon when it is nearest to the earth during its revolution.
 - (b) earth when it is nearest to the sun during its revolution.
 - (c) moon when it is farthest from the earth during its revolution.
 - (d) earth when it is farthest from the sun during its revolution.

2. The Aral Sea is bordered by which of the following countries?
 1. Turkmenistan
 2. Uzbekistan
 3. Kazakhstan
 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

3. Black soil is rich in which of the following?
 1. Iron
 2. Magnesium
 3. Alumina
 4. Nitrogen
 Select the correct answer using the code given below.
 - (a) 2 and 4 only
 - (b) 1, 2 and 3 only
 - (c) 1, 3 and 4 only
 - (d) 1, 2, 3 and 4

4. Which of the following are features of the Great Northern Plains?
 1. Braided channels
 2. Marshes and swamps
 3. Rift valleys
 4. Meanders
 Select the correct answer using the code given below.
 - (a) 2 and 3 only
 - (b) 1, 2 and 4 only
 - (c) 1 and 4 only
 - (d) 3 and 4 only

5. With reference to basic lava, consider the following statements:
 1. It is highly fluid.
 2. It forms gentle sloping volcanoes.
 3. It has a high percentage of silica.
 Which of the statements given above are correct?
 - (a) 1 and 2 only
 - (b) 1 and 3 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3

6. Consider the following statements regarding structure of the atmosphere:
 1. The troposphere is the lowermost layer of the atmosphere.
 2. The stratosphere contains the ozone layer.
 3. The ionosphere is located above the mesopause.
 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

7. Consider the following statements regarding regions of Tropical Marine Climate:
 1. They are located along the eastern coast of tropical lands.
 2. They come under the influence of the trade winds.
 3. They are prone to tropical cyclones.
 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

8. Consider the following statements regarding extra tropical cyclones:

1. They are formed along the polar front.
2. They can originate over both land and sea.
3. They move from west to east.

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

9. Consider the following statements:

1. The distance between two longitudes decreases towards the poles.
2. The distance between two latitudes increases towards the poles.

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

10. Which of the following correctly describes 'Karewas'?

- (a) Thick deposits of glacial clay famous for saffron cultivation.
- (b) Fertile region of the Rajasthan plains.
- (c) Deltas formed by the eastern flowing peninsular rivers.
- (d) Special soil type found in the coral islands.

11. With reference to plate tectonics theory, consider the following statements

1. Plates are composed only of continental crust.
2. The movement of hot softened mantle below the crust causes the plate movement.

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

12. Which of the following statements regarding coastal plains of India is/are correct?

1. The eastern coastal plains are broader than western coastal plains.
2. The western coastal plains have more natural ports than eastern coastal plains.

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

13. Consider the following statements:

1. The variation in lengths of days and nights during the year occurs due to the elliptical nature of earth's orbit of revolution.
2. During the summers in the northern hemisphere, the daylight increases towards 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

- 14.** In the context of dawn and twilight, consider the following statements:
1. Dawn and twilight occur when sun is below the horizon.
 2. They are caused due to diffusion and refraction of sun's light.
 3. The period of dawn and twilight is longer at the equator as compared to the poles.
- Which of the statements given above are correct?
- (a) 1 and 2 only
 - (b) 1 and 3 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
- 15.** Which among the following best describes *katabatic winds*?
- (a) Upslope winds driven by warmer surface temperatures on a mountain slope than the surrounding air column.
 - (b) A type of wind system in which there is a complete or almost complete reversal of prevailing direction from season to season.
 - (c) Winds in which the cooler, heavier, denser air over the land flows towards the sea.
 - (d) Winds in which the cool air of the high plateaus and ice fields drain into the valley.
- 16.** Which of the following is correct regarding the process of formation of Inter Tropical Convergence Zone (ITCZ)?
- (a) It is dynamically produced due to the rotation of earth.
 - (b) It is formed by convergence of an Oceanic plate and Continental plate.
 - (c) It is formed by excessive rainfall in the tropical region.
 - (d) It is formed due to convection caused by high insolation.
- 17.** 'This type of cloud looks like cotton wool and are generally formed at a height of 4,000 -7,000 m. They exist in patches and can be seen scattered here and there. They have a flat base.'
- Which among the following type of clouds is best described by the above passage?
- (a) Cirrus
 - (b) Cumulus
 - (c) Stratus
 - (d) Nimbus
- 18.** The Sinai peninsula is situated between which of the following seas?
- (a) Red sea and Mediterranean sea
 - (b) Caspian sea and Black sea
 - (c) Mediterranean sea and Black Sea
 - (d) Red sea and Black sea
- 19.** Which of the following remedial measures is/are adopted to reduce soil erosion?
1. Mixed Cropping
 2. Crop Rotation
 3. Shifting Cultivation
- Select the correct answer using the code given below.
- (a) 1 and 2 only
 - (b) 2 only
 - (c) 1, 2 and 3
 - (d) 1 and 3 only
- 20.** With reference to ocean currents, consider the following statements:
1. Their flow is limited only to the oceanic surface.
 2. They assist in maintaining the Earth's heat balance.
- 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

21. With reference to the Solar system, consider the following statements:
1. The Terrestrial planets and the Jovian planets are separated by the Kuiper belt.
 2. The Jovian planets are much larger than the Terrestrial planets and have thick atmosphere.
- 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
22. The 'Red and Yellow Soil' looks red due to wide diffusion of iron. It looks yellow in colour when:
- (a) there is loss of moisture
 - (b) it occurs in a hydrated form
 - (c) there is accumulation of humus
 - (d) iron is removed from the soil
23. Periodic phenomenon of alternate rise and fall in the sea-level is known as tides. Which of the following statements is **not** correct regarding Tides?
- (a) Moon exerts the strongest influence on tides because of its closeness to earth.
 - (b) Tides are highest during both full moon and the new moon.
 - (c) Tides help in formation of deltas.
 - (d) Tidal force may be used as a source of generating electricity.

24. Consider the following pairs:
- | Pass | Mountain Range |
|----------------|--------------------|
| 1. Banihal | : Great Himalayas |
| 2. Khardung La | : Ladakh Range |
| 3. Zoji La | : Pir Panjal Range |
- Which of the pairs given above is/are correctly matched?
- (a) 1, 2 and 3
 - (b) 2 only
 - (c) 3 only
 - (d) 1 and 3 only
25. The process of heating of the atmosphere through vertical movement of air is called
- (a) Advection
 - (b) Radiation
 - (c) Conduction
 - (d) Convection
26. Consider the following pairs:
- | Oceanic Current | Corresponding Desert |
|-----------------------|----------------------|
| 1. Benguela Current | : Namib Desert |
| 2. Humboldt Current | : Atacama Desert |
| 3. California Current | : Mojave Desert |
- Which of the pairs given above is/are correctly matched?
- (a) 1 only
 - (b) 1 and 2 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
27. Consider the following statements about a Soil type:
1. It swells and become sticky when wet and shrinks when dried.
 2. It retains moisture for a very long time.
 3. It is found in the upper reaches of Godavari and Krishna river basin.
- Identify the soil type based on above characteristics.
- (a) Laterite soil
 - (b) Black Soil
 - (c) Red Soil
 - (d) Alluvial Soil

28. Consider the following pairs:

Rivers	Source of Origin
---------------	-------------------------

- | | |
|-----------|----------------------|
| 1. Satluj | : Rakas Lake |
| 2. Son | : Amarkantak Plateau |
| 3. Kaveri | : Brahmagiri Hills |

Which of the pairs given above are correctly matched?

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

29. *Cirque* and *Crevasse* are formed by the action of

- (a) glaciers
- (b) wind
- (c) waves
- (d) groundwater

30. With reference to the easterly jet stream, consider the following statements :

- 1. It sets in along 14° North latitude during summer months.
- 2. It is responsible for the burst of the monsoon in India.

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

31. Which of the following statements is/are correct regarding gravitational force?

- 1. Its value varies with the distribution of mass of material within the earth.
- 2. It is greater near the poles and lesser at the equator.

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

32. With reference to El-Nino, consider the following statements :

- 1. It is an extension of the cold equatorial current.
- 2. It results in the distortion of equatorial atmospheric circulation.
- 3. It results in irregularities in the evaporation of sea water.

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

33. Salinity of water in the polar oceans is low due to:

- 1. low evaporation
- 2. influx of fresh waters from polar glaciers
- 3. high atmospheric pressure

Select the correct answer using the code given below.

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

34. Consider the following pairs:

Species	Climatic Region
1. Rosewood	: Tropical Evergreen
2. Teak	: Tropical Thorn Forests
3. Tendu	: Dry Deciduous Forests

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

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

35. Consider the following statements regarding Mediterranean type of Climate:
1. It is influenced by shifting of wind belts.
 2. It is characterized by dry summers and rainfall in winters.
- 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 pairs:
- | Drainage Pattern | Feature |
|------------------|---|
| 1. Centripetal | : River originating from a hill and flowing in all directions |
| 2. Trellis | : Tributaries flowing parallel and some at right angles to each other |
| 3. Dendritic | : Tributaries resembling branches of a tree |
- Which of the pairs given above are correctly matched?
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
37. Soil Creep refers to
- (a) slow and gradual movement of soil down the hill slopes.
 - (b) complete saturation of soil with water.
 - (c) rapid movement of a large mass of soil on steep slopes.
 - (d) loosening of rocks due to earthquakes.

38. Consider the following statements regarding Equatorial type of Climate:
1. There is uniformity of temperature throughout the year.
 2. It is characterized by high annual rainfall.
- 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
39. Which among the following is the correct sequence of gases in the decreasing order of their concentration in the atmosphere?
- (a) Carbon Dioxide – Nitrogen – Oxygen – Argon
 - (b) Nitrogen – Oxygen – Argon – Carbon Dioxide
 - (c) Oxygen – Nitrogen – Argon – Carbon Dioxide
 - (d) Nitrogen – Carbon Dioxide – Oxygen – Argon
40. Consider the following statements:
1. Beyond the tropics, the sun is never overhead at any time of the year.
 2. At equinox, all parts of the world have equal days and nights.
- 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

- 41.** Consider the following statements with reference to Ocean currents:
1. They determine the locations of major fishing grounds in the world.
 2. They prevent freezing of Britain Coast.
 3. They affect Monsoon in the Indian Sub-continent.
- 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
- 42.** Arrange the following physiographic features as found from the upper to the lower course of a river:
1. Meanders
 2. River capturing
 3. Deltas
- Select the correct answer using the code given below.
- (a) 2-1-3
 - (b) 2-3-1
 - (c) 1-3-2
 - (d) 1-3-2
- 43.** The Narmada and Tapi rivers flow through rift valleys. With respect to this, consider the following statements:
1. The rift valleys are caused through upheaval of Himalayas and subsidence of peninsular region.
 2. These rivers though having rich alluvial deposits are devoid of deltas.
- 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

- 44.** With respect to a river system, consider the following statements:
1. The boundary line separating one drainage basin from the other is known as the watershed.
 2. An area drained by a river and its tributaries is called a drainage basin.
- 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
- 45.** The circulation pattern of planetary winds depends on which among the following factors?
1. Distribution of continents and oceans
 2. Rotation of earth
 3. Emergence of pressure belts
- 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
- 46.** Consider the following statements regarding tsunamis:
1. Its speed is more in the ocean deep than in the shallow water.
 2. Tsunamis are frequently observed along the Pacific ring of fire.
- 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

47. Consider the following pairs:

Hill/Range	Location
1. Kaimur Hills	: Vindhya
2. Mahadeo Hills	: Satpura
3. Maikala Range	: Eastern Ghats

Which of the pairs given above are correctly matched?

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

48. Which of the following form a part of the Peninsular Plateau in India?

- 1. Chotanagpur Plateau
- 2. Meghalaya Plateau
- 3. Aravalli Hills

Select the correct answer using code given below.

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

49. Spring tides are formed

- (a) during the spring season.
- (b) when the sun, the moon and the earth are perpendicular to each other.
- (c) when there is an indentation in the coast line.
- (d) when the sun, the moon and the earth are in a straight line.

50. Consider the following pairs :

Soils	Region
1. Black Soil	: Maharashtra
2. Laterite Soil	: Assam
3. Arid Soil	: Chhattisgarh

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

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

51. Which of the following can result from earthquakes?

- 1. Landslides
- 2. Liquefaction
- 3. Tsunami

Select the correct answer using the code given below.

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

52. The temperature of air at any place is influenced by which among the following factors?

- 1. Latitude of the place
- 2. Altitude of the place
- 3. Presence of warm and cold ocean currents

Select the correct answer using the code given below.

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

53. With reference to the nitrogen cycle, consider the following statements:

- 1. No organism is capable of utilising nitrogen directly in its gaseous form.
- 2. Nitrogen can be fixed in the atmosphere by lightning and cosmic radiation

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

54. Which of the following are warm ocean currents?

1. Canaries
2. Humboldt
3. Agulhas
4. North Atlantic Drift

Select the correct answer using the code given below.

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

55. Consider the following north-eastern hills of India:

1. Dafla hills
2. Mishmi hills
3. Abor hills
4. Miri hills

Which of the following is the correct order of their occurrence from west to east?

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

56. Which among the following is/are ideal conditions for formation of dew?

1. Cloudiness
2. Calm air
3. Cold and long nights

Select the correct answer using the code given below.

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

57. Consider the following pairs:

Physiographic Feature	Manner of Formation
1. Himalayas	: Exogenic and endogenic tectonic forces
2. Northern Plains	: Deposition of geo-synclinal depression
3. Coastal Plains	: Submergence and emergence processes

Which of the pairs given above are correctly matched?

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

58. 'This climate is characterised by warm moist summers and cool dry winters. The climate is modified strongly by maritime influence. There is rain every month. It is found in both Northern as well as Southern Hemisphere'. Which among the following is best described by the above passage?

- (a) China type climate
- (b) Siberian type climate
- (c) Laurentian type climate
- (d) Mediterranean type climate

59. Which among the following sources provide information regarding the interior of earth?

1. Rocks on the surface of earth
2. Volcanic Eruptions
3. Meteors

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

60. Which among the following is/are primary rocks?

1. Igneous Rocks
2. Sedimentary Rocks
3. Metamorphic Rocks

Select the correct answer using the code given below.

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

61. Consider the following statements regarding Terrestrial Radiation:

1. The earth after being heated by the sun radiates energy to the atmosphere in the form of short waves.
2. The amount of heat received in the form of insolation is more than the amount lost by the earth through terrestrial radiation.

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 pairs:

Desert	Location
1. Rub al khali	: Turkey
2. Dasht-e Kavir	: Iran
3. Mojave	: Saudi Arabia

Which of the above pairs is/are correctly matched?

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

63. Which of the following are examples of antecedent rivers?

1. Kali
2. Satluj
3. Tista
4. Indus

Select the correct answer using the code given below.

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

64. Consider the following statements with regard to coriolis force:

1. It deflects the wind to the right direction in the northern hemisphere.
2. It does not depend on the velocity of wind.

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

65. Indian Ocean observes a phenomenon of "Reversal of direction of oceanic current". Which of the following is chiefly responsible for it?

- (a) $23\frac{1}{2}^{\circ}$ tilt of the earth's axis
- (b) Dominance of Monsoon winds in North Indian Ocean
- (c) Existence of Indian Peninsula in the north of Indian ocean
- (d) Large number of rivers draining into Indian ocean

66. Which one of the following is related to the formation of crust, mantle and core?
- Differentiation
 - Degassing
 - Photosynthesis
 - Solar winds
67. Consider the following pairs:
- | Local storms of hot weather season | Region |
|------------------------------------|---------------|
| 1. Mango showers | : Karnataka |
| 2. Bardoli Chheerha | : Assam |
| 3. Kalbaisakhi showers | : West Bengal |
- Which of the pairs given above is/are correctly matched.
- 1 only
 - 1 and 2 only
 - 2 and 3 only
 - 1, 2 and 3
68. The primary agent responsible for the process of mass movement is
- Waves
 - Running water
 - Gravity
 - Wind
69. Continental Margins consist of
1. Abyssal Plains
 2. Continental Shelf
 3. Deep Oceanic Trenches
 4. Continental Rise
- Select the correct answer using the code given below.
- 1, 3 and 4 only
 - 2, 3 and 4 only
 - 1, 2 and 3 only
 - 1, 2 and 4 only

70. Which of the following rivers drain into the Arabian Sea?
1. Sabarmati
 2. Sharavati
 3. Mandovi
- Select the correct answer using the code given below.
- 1, 2 and 3
 - 1 and 3 only
 - 2 only
 - 2 and 3 only
71. Consider the following statements:
1. Areas where annual precipitation is over 200 cm.
 2. Mean annual temperature is above 22 °C.
 3. There is no definite time for trees to shed their leaves, flowering and fruition.
 4. Forests are well stratified, with layers closer to the ground.
- The above statements represent the characteristics of which of the following types of vegetation?
- Tropical Wet Evergreen
 - Tropical Semi Evergreen
 - Tropical Moist Deciduous
 - Tropical Dry Deciduous
72. Consider the following pairs:
- | Physiographic feature | Description |
|-----------------------|---|
| 1. Barchans | : Backwaters on western coastal plains |
| 2. Kayals | : Crescent- shaped sand dunes |
| 3. Bhabar | : Region of old alluvium in the northern plains |
- Which of the pairs given above is/are correctly matched?
- 3 only
 - 1, 2 and 3
 - 2 and 3 only
 - None of the above

73. With reference to earthquakes, *hypocenter* refers to:
- (a) the point on earth's surface which experience the seismic waves first.
 - (b) the point where P waves and S waves meet.
 - (c) the point where the energy is released during the earthquake.
 - (d) the point on the earth where earthquake waves are not experienced.

74. Which among the following statements is **not** correct regarding primary waves of earthquake?
- (a) They are similar to sound waves.
 - (b) They travel only through solid materials.
 - (c) They are generated due to the release of energy at the focus.
 - (d) The denser the material, the higher is the velocity of these waves.

75. With respect to the island groups around India, consider the following statements:
1. Andaman and Nicobar islands are elevated portion of submarine mountains.
 2. Lakshadweep Islands are built of coral 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

76. Which among the following conditions is/are favorable for the formation and intensification of tropical cyclones?
1. Sea surface temperature higher than 27°C
 2. Absence of coriolis force
 3. Pre-existing high pressure area
- Select the correct answer using the code given below.
- (a) 1 and 3 only
 - (b) 2 and 3 only
 - (c) 1 only
 - (d) 1, 2 and 3

77. Which of the following is/are the characteristics of Moist Deciduous Forests?
1. These forests have a parkland landscape with open stretches.
 2. The rainfall ranges between 100-200 cm.
 3. Tussocky grass grows as the under growth in these forests.
- Select the correct answer using the code given below.
- (a) 1 and 2 only
 - (b) 2 only
 - (c) 1, 2, and 3
 - (d) None

78. Which of the following countries are landlocked?
1. Colombia
 2. Bolivia
 3. Paraguay
 4. Venezuela
- Select the correct answer using the code given below.
- (a) 1 and 3 only
 - (b) 2 and 3 only
 - (c) 2 and 4 only
 - (d) 1, 3 and 4 only

- 79.** The Panama Canal connects which of the following water bodies?
 (a) Red Sea and Mediterranean Sea
 (b) Gulf of California and Pacific Ocean.
 (c) Gulf of Mexico and Caribbean Sea.
 (d) Caribbean Sea and Pacific Ocean.
- 80.** Arrange the following tributaries of Ganga from east to west direction:
 1. Kosi
 2. Son
 3. Gandak
 4. Yamuna
 Select the correct answer using the code given below.
 (a) 1-3-2-4
 (b) 3-2-1-4
 (c) 4-3-2-1
 (d) 4-2-3-1
- 81.** The Big Bang Theory is related to which of the following?
 (a) Expansion of universe
 (b) Expansion of sea-floor
 (c) Dispersion of light
 (d) Evolution of life
- 82.** Which among the following best describes *albedo* of the earth?
 (a) It is the amount of energy absorbed by earth's surface due to land masses.
 (b) It is the average amount of precipitation observed on the earth.
 (c) It is the amount of radiation reflected by the earth's surface.
 (d) It is the gradient of salinity in the oceans.

- 83.** Which of the following factors cause variations in insolation on earth?
 1. Rotation of earth on its axis
 2. Angle of inclination of the sun's rays
 3. Length of the day
 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
- 84.** Which of the following factors influence the ocean currents?
 1. Rotation of earth
 2. Air pressure and Wind
 3. Revolution of Earth
 4. Heating by solar energy
 Select the correct answer using the code given below.
 (a) 1, 2, 3 and 4
 (b) 2, 3 and 4 only
 (c) 1, 2 and 4 only
 (d) 1 and 3 only
- 85.** Which of the following are the characteristic features of peninsular rivers?
 1. Fixed courses
 2. Absence of meanders
 3. Non-perennial flow of water
 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

- 86.** Which of the following is/are the implication of the vast longitudinal extent of India?
1. The variation in climate from tropical to sub-tropical zone.
 2. A time difference of nearly two hours between the easternmost and the westernmost parts of the country.
- 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
- 87.** Consider the following statements regarding Saline soils of India:
1. They are formed due to leaching action.
 2. They occur in water logged and swampy areas.
 3. They are also known as 'Usara' soils.
- Which of the statements given above are correct?
- (a) 2 and 3 only
 - (b) 1 and 3 only
 - (c) 1 and 2 only
 - (d) 1, 2 and 3
- 88.** With reference to the western cyclonic disturbances, consider the following statements :
1. They originate over the Mediterranean sea.
 2. They are brought into India by the westerly jet stream.
 3. Arrival of these cyclonic disturbances is characterized by decrease in the prevailing night temperature.
- Which of the statements given above is/are correct?
- (a) 1 only
 - (b) 1 and 2 only
 - (c) 1, 2 and 3
 - (d) None

- 89.** Consider the following pairs:
- | Forests | Indian Region |
|-------------------------------|---------------------------------------|
| 1. Tropical Evergreen Forests | : Western Himalayas |
| 2. Dry Deciduous Forests | : Khasi Hills |
| 3. Moist Deciduous Forests | : Eastern slopes of the Western Ghats |
- Which of the above pairs is/are correctly matched?
- (a) 1 and 2 only
 - (b) 2 only
 - (c) 3 only
 - (d) 1, 2 and 3
- 90.** Which of the following are the tributaries of River Indus?
1. Nubra
 2. Dras
 3. Kabul
- Select the correct answer using the code given below.
- (a) 1, 2 and 3
 - (b) 1 and 2 only
 - (c) 2 and 3 only
 - (d) 1 and 3 only
- 91.** Which of the following statements is/are correct with regard to temperature distribution over oceans?
1. Temperature decreases from equator to pole because of decreasing trend of insolation.
 2. Oceans in southern hemisphere receive less heat due to their less contact with land.
 3. Winds blowing from land to sea increase the sea surface temperature near coast.
- Select answer using the code given below.
- (a) 1 and 2 only
 - (b) 2 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3

92. Which of the following is/are the characteristics of Youth stage of riverine topography?

1. Streams meander freely over vast floodplains at this stage.
2. Waterfalls and rapids may exist where local hard rock bodies are exposed.
3. Headward and vertical erosion is replaced with lateral erosion.

Select the correct answer using the code given below.

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

93. With reference to the weather during winter season in India, consider the following statements:

1. A low pressure centre develops in the region lying to the north of the Himalayas.
2. The surface winds blowing from Central Asia reach India in the form of a dry continental air mass.

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

94. The Chota Nagpur Plateau is spread over which of the following states?

1. Madhya Pradesh
2. Chhattisgarh
3. Jharkhand
4. Odisha

Select the correct answer using the code given below.

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

95. *Shevaroy hills* forms the part of

- (a) Western Ghats
- (b) Vindhya Range
- (c) Eastern Ghats
- (d) Aravalli Range

96. With reference to Solar and Lunar Eclipses, consider the following statements:

1. While solar eclipse occurs during new moon, lunar eclipse occurs during full moon.
2. Lunar eclipses occur more frequently and can last longer than Solar eclipses.

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

97. With respect to the Northwestern Himalayas, consider the following statements:

1. Both fresh water and salt water lakes are found in this region.
2. Jhelum river forms meanders in this region.

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 pairs:

Tectonic Plate	Located between
1. Nazca Plate	: South America and Pacific ocean
2. Scotia Plate	: North America and Arctic ocean
3. Cocos Plate	: Central America and Pacific ocean

Which of the above pairs is/are correctly matched?

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

99. Which of the following is geographically closest to mainland India?

- (a) Barren Island
- (b) Minicoy Island
- (c) Reunion Islands
- (d) Chagos Islands

100. Consider the following statements :

1. The decrease in temperature with increasing altitude leads to a corresponding change in natural vegetation.
2. Wetter margins of dry deciduous forests have a transition to thorn forests, while on the drier margins they have a transition to the moist deciduous forests.

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

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