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Test Booklet Series

TEST BOOKLET

C

GENERAL STUDIES (P) 2020 – Test–2982

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. With reference to the sugar industry in India, consider the following statements:
 1. Sugar mills in India are located close to the cane producing regions.
 2. India is the largest producer of cane sugar 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

2. Consider the following pairs:

<i>National Park</i>	<i>River</i>
1. Orang National park	: Brahmaputra
2. Panna National Park	: Betwa
3. Jim Corbett National park	: Ramganga
4. Jaldapara National Park	: Hoogly

 Which of the pairs given above is/ are correctly matched?
 - (a) 1 and 3 only
 - (b) 2 and 4 only
 - (c) 1 only
 - (d) 2 and 3 only

3. Consider the following statements regarding shifting cultivation:
 1. It is an agricultural practice on a piece of land which continues until the soil loses its fertility.
 2. It is widely practised by many tribes in the tropics, especially in Africa, Central America and South East Asia
 Which of the given above statements is/are correct?
 - (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2

4. Which of the following may be classified as marine mammals?
 1. Dugong
 2. Dolphins
 3. Porpoises
 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 about the National Education Alliance for Technology (NEAT):
 1. It aims to digitally connect all the technical universities and create a pan-India resource-sharing alliance.
 2. The use of Artificial Intelligence(AI) is central to this programme.
 3. It is being implemented by the Department of Science and Technology (DST).
 Which of the statements given above is/are correct?
 - (a) 1 and 3 only
 - (b) 1 and 2 only
 - (c) 1, 2 and 3
 - (d) 2 only

6. With reference to the recently developed "Geochemical Baseline Atlas of India", consider the following statements:
 1. It will help in assessing the chemical compositional changes on Earth's surface.
 2. It has been developed by the Geological Survey of 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

7. Which of the following are the effects of atmospheric aerosols?
1. They can cause haze and reduce visibility.
 2. They make the sunrises and sunsets appear red.
 3. They can cause the destruction of the ozone layer.
 4. They influence the Earth's energy budget.
- Select the correct answer using the code given below.
- (a) 1 and 2 only
 - (b) 1, 3 and 4 only
 - (c) 2, 3 and 4 only
 - (d) 1, 2, 3 and 4
8. Consider the following statements regarding Classical and Photochemical smog:
1. Classical smog occurs in dry and sunny climate.
 2. Photochemical smog occurs in cool and humid climate.
 3. While classical smog is called as reducing smog, photochemical smog is oxidising in nature.
- Which of the statements given above is/are correct?
- (a) 1 only
 - (b) 2 and 3 only
 - (c) 3 only
 - (d) 1, 2 and 3
9. In the context of Indian geographic features, 'kayals' refer to:
- (a) a fertile spot in a desert, where water is found.
 - (b) patches of tropical montane forest found in the higher montane regions of South India.
 - (c) a network of brackish lagoons and lakes lying parallel to the Arabian Sea coast of Kerala.
 - (d) group of parallel mountain ranges together with the intervening plateaux and other features.

10. Consider the following statements regarding Rani Chennamma:
1. She led an armed rebellion against the implementation of the British policy of Subsidiary alliance.
 2. A festival named, 'Kittur Utsava' is organised annually to celebrate the heroic rebellion of Rani Chennamma.
- 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
11. Recently, the government of India has launched the 'Jal Abhayaanya Programme' to:
- (a) conserve the wetlands and waterfowls of India.
 - (b) provide for recharging of groundwater resources in 21 cities of India.
 - (c) rejuvenate the springs of Indian Himalayas.
 - (d) protect the ecosystems of mangroves and estuaries in India.
12. Which of the following forces affects the velocity and direction of winds?
1. Frictional Force
 2. Pressure Gradient Force
 3. Coriolis Force
- Select the correct answer using the code given below.
- (a) 1 and 2 only
 - (b) 1 and 3 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3

13. Consider the following pairs:

Community in the news **Native Country**

1. Uyghurs : Bangladesh
2. Rohingya : Myanmar
3. Hajong : Bhutan

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

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

14. Consider the following pairs:

Ocean Deep **Ocean**

1. Milwaukee Deep : Atlantic Ocean
2. Java Trench : Indian Ocean
3. Challenger Deep : Pacific Ocean

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

15. Which of the following contributes to the process of denudation?

1. Decomposition
2. Transportation
3. Weathering
4. Erosion

Select the correct answer using the code given below.

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

16. Recently, a waxy solid substance, called Ambergris washed ashore on the beach of Cuddalore in Tamil Nadu. It is used in making perfumes and cosmetics and fetches a good price based on its age. What is Ambergris?

- (a) It is the floating part of a dead coral reef which has bleached over a period of time.
- (b) It is a species of sea weed or macroalgae that remains afloat on the ocean surface.
- (c) It is a substance originating in the intestines of a whale which may be released during vomit.
- (d) It is a cluster of eggs of a turtle which is mass-nested in the ocean water itself.

17. Consider the following statements with reference to southwest monsoon in India:

1. The Arabian Sea branch of south-west monsoon is stronger than Bay of Bengal branch.
2. Tamil Nadu receives rainfall from the Bay of Bengal branch.
3. The break in rainfall is related to cyclonic depressions formed in the Bay of Bengal.

Which of the statements given above is/are correct?

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

18. With reference to 'Cartosat 3' satellite recently launched by ISRO, which of the following statements is/are correct?

1. Cartosat-3 is an advanced Indian nano communication satellite.
2. It is a 50 kg satellite placed in an orbit at 1500 km above the surface of the Earth.

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

19. Consider the following sources of water pollution:
1. Municipal discharge
 2. Agricultural run-off
 3. Acid rain
 4. Storm-water drainage
- Which of the sources given above are non-point sources of water pollution?
- (a) 1, 2 and 3 only
 - (b) 2, 3 and 4 only
 - (c) 1, 2 and 4 only
 - (d) 1, 3 and 4 only

20. With reference to the Inner Line Permit (ILP) system in India, consider the following statements:
1. It is a travel document that allows inward travel of a foreign citizen into a protected area in India for a limited period.
 2. It is issued by the Ministry of Home Affairs.
 3. It is currently in force in the states of Tripura, Mizoram and Manipur.
- Which of the statements given above is/are correct?
- (a) 2 only
 - (b) 1 and 3 only
 - (c) 1, 2 and 3
 - (d) None

21. Consider the following statements regarding Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD):
1. BOD measures the amount of oxygen required for the microbiological decomposition of organic material in water.
 2. COD measures both biodegradable and non-biodegradable pollutants while BOD is limited only to biodegradable pollutants.
- 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. Consider the following statements regarding the newly formed Cabinet Committee on Investment and Growth:
1. It is chaired by Prime Minister.
 2. Its mandate is to identify projects required to be implemented on a time-bound basis involving investments of Rs. 1000 crore or more.
 3. The Department of Economic Affairs under the Ministry of Finance acts as the secretariat to the Cabinet Committee on Investment and Growth.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only
 - (b) 2 only
 - (c) 3 only
 - (d) 1, 2 and 3

23. With reference to the noctilucent clouds, consider the following statements:
1. These clouds are formed at the tropopause.
 2. These are most often observed during the summer months.
- Which of the statements given above are correct?
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2

24. With reference to biosimilar medicines, which of the following statements is *not* correct?
- (a) They are products with similar molecular composition as the original biotherapeutic.
 - (b) They are derived from both biological and synthetic chemical sources.
 - (c) They are a cheaper alternative to costly life-saving medicines.
 - (d) Recently, the first ever biosimilar medicine was approved by the World Health Organization (WHO).

25. Arrange the following in terms of the decreasing order of albedo?

1. Snow cover
2. Sand
3. Grassland
4. Water

Select the correct answer using the code given below.

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

26. Consider the following pairs:

<i>Type of plate boundary interaction</i>	<i>Examples</i>
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- | | |
|---------------|----------------------------|
| 1. Divergent | : East African Rift Valley |
| 2. Convergent | : Aleutian Islands |
| 3. Transform | : San Andreas |

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

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

27. 'Power of Siberia' recently seen in news is in the context of the affairs of Russia and

- (a) China
- (b) Kazakhstan
- (c) India
- (d) Mongolia

28. With reference to National Wildlife Action Plan (2017-2031), consider the following statements:

1. It is the wildlife action plan to recognize the concerns related to impact of climate change on wild animals.
2. It seeks to develop protected areas for the wild animals.

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

29. With reference to the National Green Tribunal, consider the following statements:

1. It has been established under the Environment Protection Act, 1986 for expeditious disposal of cases related to environment protection.
2. It is not bound by procedure under the Code of Civil Procedure and is guided by principles of natural justice.
3. Its principal bench is located in New Delhi.

Which of the statements given above is/are **not** correct?

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

30. 'Climate Change and Land', 'The Ocean and Cryosphere in a Changing Climate' and 'Global Warming of 1.5°C' are all reports released by:

- (a) United Nations Environment Programme (UNEP)
- (b) United Nations Convention to Combat Desertification (UNCCD)
- (c) Intergovernmental Panel on Climate Change (IPCC)
- (d) International Union for Conservation of Nature (IUCN)

31. Plastic pollution is the accumulation of plastic objects and particles in the Earth's environment that adversely affects wildlife, wildlife habitat, and humans. The burning of plastics release which of the following toxins into the atmosphere?

1. Dioxins
2. Barium
3. Mercury
4. Lead
5. Furans

Which of the toxins given above are released during the burning of plastics?

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

32. The arrangement of minerals in metamorphic rocks in layers or lines while undergoing re-crystallisation due to deformation caused by tectonic shearing is referred to as:

- (a) Foliation
- (b) Exfoliation
- (c) Lithification
- (d) Mineralisation

33. Which of the following factors is/are favourable for the formation of a delta?

- 1. Active vertical erosion in the upper course of a river.
- 2. Deep adjoining sea.
- 3. Presence of a large lake in the river course.

Select the correct answer using the code given below.

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

34. Make In India Mittelstand (MIIM) is a Market Entry Support Programme for Facilitating Investments by Small and Medium-sized Companies in India. MIIM has frequently been in news with reference to which country?

- (a) France
- (b) Britain
- (c) Germany
- (d) Singapore

35. Consider the following statements regarding 'Joint Forest Management Committee':

- 1. It is a decentralized local institution of forest-dwelling communities that is fully or partially a part of the Gram Sabha.
- 2. It is set up only in revenue villages located in Protected Areas and their buffer zones.

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. With reference to earth's magnetic field, consider the following statements:

- 1. It is the result of the convective movement of liquid iron in the inner core.
- 2. Changes in Earth's magnetic field can be used to date events in geologic history.

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

37. Consider the following statements:

- 1. The extra-tropical cyclones can originate over land and sea, unlike the tropical cyclones.
- 2. The extra-tropical cyclones moves from east to west whereas tropical cyclones moves from west to east.
- 3. Presence of coriolis force is the necessary pre-condition for the formation of tropical cyclones.

Which of the statements given above is/are **not** correct?

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

38. Human Development Report is published by the
- World Bank (WB)
 - United Nations Development Programme (UNDP)
 - International Monetary Fund (IMF)
 - World Economic Forum (WEF)

39. With reference to the conservation of wetlands in India, which of the following statements are correct?

- ISRO has prepared a 'national wetland atlas' on the basis of satellite images for the identification of wetlands in India.
- Government of India has appointed its senior officials as 'Wetland Mitras' to monitor the ecosystem health of wetlands.
- 'Wetland Health Cards' will be issued to monitor the health of wetlands based on multiple parameters.

Select the correct answer using the code given below.

- 1 and 2 only
- 1 and 3 only
- 2 and 3 only
- 1, 2 and 3

40. Consider the following pairs:

Places in Assam Site

- Chirang Ripu : Ramsar Site
- Deepor Beel : MIKE Site
- Kaziranga : World Heritage Site

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

- 1 and 2 only
- 2 and 3 only
- 1 and 3 only
- 3 only

41. Which of the following factors is/are responsible for the formation of saline soil in various parts of India?

- South West Monsoon in Western India
- Sea water intrusion in the delta region
- Excessive irrigation in dry climatic conditions in Northern India.

Select the correct answer using the code given below.

- 2 only
- 2 and 3 only
- 1 and 3 only
- 1, 2 and 3

42. With reference to India Cooling Action Plan, consider the following statements:

- It seeks to increase India's demand for refrigerants across various sectors by the next decade.
- It aims to train servicing sector technicians by synergizing with Skill India Mission.

Which of the statements given above is/are correct?

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

43. Consider the following statements regarding National Adaptation Fund for Climate Change (NAFCC):

- It is a central sector scheme to support concrete adaptation activities which mitigate the adverse effects of climate change.
- The National Bank for Agriculture and Rural Development (NABARD) is the National Implementing Entity for the NAFCC.

Which of the statements given above is/are correct?

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

44. With reference to freshwater turtles, consider the following statements:
1. They play a significant role in rivers by scavenging dead organic materials and diseased fish.
 2. In India, no living species of freshwater turtles are found.
 3. They are illegally smuggled and poached in India for food and pet trade.
- 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. Hot and dry tropical deserts are found in the western part of the continents because?
1. Presence of tropical easterlies in the tropical region.
 2. Presence of cold currents in the western margins of the continents.
 3. These lie in the zone of horse latitudes.
- 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
46. Which of the following statements best describes the recently launched initiative *Bharat Poshan Krishi Kosh*?
- (a) It is a non-lapsable fund established with an aim to promote nutrient-based food processing industry.
 - (b) It is a repository of best farming practices across world for better nutritional outcomes.
 - (c) It is a fund sourced from Krishi Kalyan Cess with an aim to promote biofortification for better nutritional outcomes.
 - (d) It is a repository of diverse crops across agro-climatic zones and promising practices towards better nutritional outcomes.

47. Consider the following statements:
1. Aravalli mountain ranges passes through four states.
 2. The highest peak of Aravallis Gurushikar is located in Gujarat.
 3. Malwa plateau lies between Aravalli and Vindhyan ranges.
- Which of the statements given above is/are correct?
- (a) 3 only
 - (b) 1 and 2 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
48. With reference to adaptation in plants and animals, consider the following statements:
1. Aestivation is summer hibernation where the animal spends the dry-hot period in an inactive state.
 2. Behavioural adaptations are only observed in animals and not in plants.
 3. The leaves of underwater aquatic plants are softer than above-ground plants.
- 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
49. Consider the following passage:
- A water harnessing technology with its origin in Iran, it was built by Bahmani Kings in 15th Century Bidar. It taps into the ground-water sources and transports it through an underground tunnel to the settlement, ending in the surface canal and/or pools.
- Which of the following is being referred to in the above passage?
- (a) Ahar Pynes
 - (b) Karez
 - (c) Khadin
 - (d) Eri

50. Consider the following currents:

1. Canary current
2. Kuroshio current
3. Oyashio current
4. Falkland current

Which of the currents given above are cold currents?

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

51. Consider the following statements with reference to the river Godavari:

1. River Godavari rises from the Nasik district in Maharashtra.
2. The drainage basin of Godavari is spread across more than five states.
3. Polavaram multi-purpose irrigation project is being built on this river.

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

52. Consider the following landforms:

1. Caldera
2. Laccoliths
3. Dykes
4. Cinder cone

Which of the landforms given above is/ are extrusive landforms?

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

53. "It is one of the major oilseeds predominantly grown in the northern belt of India but can also be grown in a wide range of agro-climatic conditions. It is a rabi crop. The oil content in it is around 40%. It has a pungent flavour and is often used as a spice in the varied Indian cuisine"

Which of the following crops is being described above?

- (a) Flaxseed
- (b) Sesame Seed
- (c) Mustard
- (d) Groundnut

54. *Located in India, it is Asia's largest freshwater oxbow lake. It is a residual oxbow lake, formed due to meandering of Gandak river in the geological past. The government of India declared it a bird sanctuary in 1989. The lake area has shrunk rapidly in the last two decades and heavy siltation and eutrophication have been observed.*

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

- (a) Kanwar Lake, Bihar
- (b) Barua Sagar Tal, Uttar Pradesh
- (c) Udhw Lake Bird Sanctuary, Jharkhand
- (d) Keoladeo National Park, Rajasthan

55. Australia has been recently grappling with the hazard of bushfires. Which of the following factors play a role in the occurrence and spreading of bushfires?

1. High wind speed
2. Low relative humidity in the air
3. Lightning

Select the correct answer using the code given below.

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

56. Why do Jovian planets have thick atmosphere than the terrestrial planets?

1. Due to lesser impact of solar winds.
2. Due to the larger size of the planets.

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

57. Which of the following species of butterflies is/are endemic to India?

1. Southern Birdwing.
2. Common Peacock
3. Blue Mormon

Select the correct answer using the code given below.

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

58. Which of the following conditions are necessary for meander formation?

1. Lateral erosion of the bank by a river
2. Banks made up of unconsolidated alluvial deposits
3. Coriolis force

Select the correct answer using the code given below.

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

59. Which of the following statements correctly explain the reason for seasons on Earth?

1. The axial tilt of the earth
2. The revolution of the earth around the Sun.
3. Rotation of the earth on its axis.

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 and 3 only

60. Consider the following statements regarding Vishwa Shanti Stupa (also known as World Peace Pagoda):

1. These are Buddhist monuments which were ideated under the guidance of Hiuen Tsang to inspire peace.
2. The World's highest Peace Pagoda in the World is located at Rajgir, Bihar.

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

61. Which of the following factors make a species vulnerable to extinction?

1. Endemism
2. Large body size
3. Aggregation behaviour

Select the correct answer using the code given below.

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

62. With reference to 'Enhancing Coastal and Ocean Resource Efficiency (ENCORE) Project', consider the following statements:

1. It aims to improve the capacity for decentralized coastal management and pollution abatement in India.
2. It is being implemented in India with the support of the World Bank.

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. Consider the following pairs:

<i>Landforms</i>	<i>Types</i>
1. Outwash	: Coastal landform plains
2. Cirque	: Glacial landform
3. Playas	: Desert landform

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

64. DTrack, recently seen in news is

- (a) A software used by the Financial Intelligence Unit to track fraud.
- (b) A malware that had recently attacked ATMs
- (c) A portal by the Indian Railways to monitor the maintenance of railway tracks
- (d) A online mechanism to check tax evasion

65. Consider the following statements:

1. Temperature decreases with increase in altitude in all the layers of the atmosphere.
2. Jet aircraft fly below the tropopause to avoid the turbulence due to convection of air currents
3. Radio waves transmitted from the earth are reflected back to the earth by the ionosphere.

Which of the statements given above is/are **not** correct?

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

66. Recently Bougainville, a region in the South Pacific, was in the news. It had held a referendum in which an overwhelming 98 per cent of the people voted in favour of independence from which of the following countries?

- (a) Papua New Guinea
- (b) Fiji
- (c) Micronesia
- (d) Kiribati

67. Which of the following points in the Earth orbit are associated with the above normal tidal ranges?

1. Apogee
2. Perigee
3. Aphelion
4. Perihelion

Select the correct answer using the code given below.

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

68. *It is both a National park as well as a tiger reserve. It lies in the "tiger state" of India with one of the highest known tiger population density in India. It was recently in the news as after a long time, the state recently got its first colony of elephants which settled in this region.*

Which of the following Reserve area is being described by the above passage?

- (a) Bandhavgarh National Park
- (b) Bandipur Tiger Reserve and National Park
- (c) Jim Corbett National Park
- (d) Nagarhole National Park

69. With reference to the recently adopted European Green Deal, which of the following statements is/are correct?

- 1. It was adopted as a part of the Conference of Parties (COP) 25 conference in Madrid
- 2. It aims to achieve net carbon neutrality among its member countries by 2050.
- 3. India is also a party to the deal.

Select the correct answer using the code given below

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

70. With reference to the Environment Education Awareness and Training (EEAT) scheme, consider the following statements:

- 1. It is an initiative of the Ministry of Human Resource Development.
- 2. It aims to promote environmental awareness and mobilize school student's participation in environment conservation.
- 3. Under the scheme, the National Green Corps (NGC) 'Ecoclub' programme was initiated.

Which of the statements given above is/are correct?

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

71. Which of the following variables have a bearing on the urban heat island effect?

- 1. Size of the city
- 2. Vegetation
- 3. Population
- 4. Annual Precipitation

Select the correct answer using the code given below

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

72. Arrange the following hills from South west to North east direction:

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

Select the correct answer using the code given below:

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

73. Consider the following statements:

- 1. The formation of Western Ghats started with the breaking off of India from the Gondwana supercontinent.
- 2. Anamudi is the highest peak of Western Ghats.
- 3. The Western Ghats are locally known as Sahyadris.

Which of the statements given above is/ are correct?

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

74. Consider the following statements regarding the recently launched National Broadband Mission:

1. Its objective is to provide broadband access to all villages by 2022.
2. It will operationalize the goals of the National Digital Communications Policy 2018.

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: It is a language chiefly spoken in India, Bangladesh and Nepal. Belonging to the Austro-Asiatic family of languages, it is one of the languages under Schedule VIII of the Indian Constitution and has a script namely Ol-Chiki script.

Which of the following language is being referred to in the above passage?

- (a) Bhojpuri
- (b) Santhali
- (c) Dogri
- (d) Kannada

76. With reference to the pressure belts, consider the following statements:

1. Equatorial low pressure belt and sub-polar low pressure are thermally induced pressure belts.
2. Doldrum is a low pressure zone that lies between 5°N- 5°S Latitudes.
3. Horse latitude lies only in northern hemisphere between 25°-30°.

Which of the statements given above is/ are correct?

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

77. Consider the following regions in India:

1. Assam-Arakan Basin
2. Damodar Valley
3. Cauvery Basin

Which of the regions given above have the presence of Shale Oil and Gas?

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

78. Over-use of groundwater resources may lead to :

1. Reduced surface water supplies
2. Land Subsidence
3. An increased concentration of pollutants in water

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

79. With reference to biomagnification, consider the following statements:

1. It is a cumulative increase in the concentrations of a persistent substances like pesticides and metals as one moves up the food chain.
2. Substances causing biomagnification should be insoluble in fats.

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.** Consider the following statements, with reference to "Glaciers":
1. A glacier is a perennial accumulation of ice or snow, moving down the slope of a mountain through a valley.
 2. The movement of glaciers is witnessed because of the force of gravity and pressure from the weight of overlying ice.
- 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
- 81.** Which of the following are Invasive Alien Species in India?
1. Prosopis Julifora
 2. Parthenium hysterophorus
 3. Lantana Camara
 4. Water Hyacinth
- Select the correct answer using the code given below.
- (a) 2, 3 and 4 only
(b) 1, 2 and 3 only
(c) 1, 3 and 4 only
(d) 1, 2, 3, and 4
- 82.** Which of the following statements is/are correct regarding Red and Yellow Soils?
1. These soils develop in areas with high temperatures and high rainfall.
 2. They form the largest group of soil in India in terms of geographic area.
 3. They develop a reddish color due to a wide diffusion of iron in the rocks.
- Select the correct answer using the code given below.
- (a) 3 only
(b) 1 and 2 only
(c) 2 and 3 only
(d) 1 only

- 83.** Consider the following pairs:
- | <i>Operations</i> | <i>Objective</i> |
|--------------------------|--|
| 1. Operation Save Kurma | : To protect lesser-known turtle species |
| 2. Operation Thunderbird | : To protect Big Cats and Birds |
| 3. Operation Wildnet | : A multispecies operation by INTERPOL |
- Which of the pairs given above is/are correct?
- (a) 2 only
(b) 1 and 3 only
(c) 1 and 2 only
(d) None
- 84.** Consider the following dams:
1. The Rana Pratap Sagar
 2. The Jawahar Sagar
 3. Bheemgarh
 4. Koteswar
- Which of the above dams are constructed on the River Chambal?
- (a) 3 and 4 only
(b) 1 and 2 only
(c) 1, 2 and 4 only
(d) 1, 2, 3 and 4
- 85.** Which among the following are the pull factors for migration from rural areas to urban areas?
1. Better opportunities for education
 2. Lack of basic infrastructure in rural areas
 3. Availability of regular work
- 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.** Deposit Refund Scheme often seen in news is an initiative under:
- (a) E-Waste (management) Rules 2016
 - (b) Solid Waste Management Rules, 2016
 - (c) The Bio-medical Waste (Management and Handling) Rules, 1998
 - (d) The Food Safety and Standard Regulations, 2011

87. Consider the following zones of the Northern Indian Plains:

1. Terai
2. Bhangar
3. Bhabar

What is the correct sequence from North to South of the zones mentioned above?

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

88. Consider the following characteristics of an avian species:

1. They fly over the tallest peaks of the Himalayas as they migrate from Mongolia to India each year.
2. They have an enhanced ability to bind oxygen to their haemoglobin and thus can fly in hypoxic conditions.
3. They are popularly known as 'astronauts of the bird world.'

Which of the following species is best described by the above characteristics?

- (a) Bar Headed Goose
- (b) Sarus Crane
- (c) Siberian Crane
- (d) Flamingoes

89. Consider the following landmark events in the domain of environmental legislation in India:

1. Establishment of the first Biosphere Reserve in India
2. Launching of Project Tiger by the government of India.
3. Declaration of the first bird sanctuary in India.

Which of the following is the correct chronological order of occurrence of the above events?

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

90. Tropical regions have more species diversity than the temperate regions because of more:

1. seasonal variation
2. sunlight
3. frequent glaciations in the past

Select the correct answer using the code given below.

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

91. Under the Jal Vikas Marg Project multi-modal terminals are being developed on the National Waterway-1. These multi-modal terminals will be located at:

1. Haldia
2. Prayagraj
3. Varanasi
4. Sahibganj

Select the correct answer using the code given below.

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

92. Consider the following rivers:

1. Narmada
2. Tapi
3. Damodar

Which of the rivers given above flow from rift valley?

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

- 93.** The Zero Waste International Alliance, often seen in the news, is:
- (a) an international organization promoting alternatives to landfill and incineration.
 - (b) an alliance of nations striving to minimizing their plastic waste disposal in the ocean.
 - (c) a group of individuals promoting minimalist living and less consumerism.
 - (d) an alliance of technology based multinational companies undertaking recycling of e-waste.

- 94.** Consider the following statements with reference to isotherms (or isothermal lines):
1. Isotherms are more closely packed in the northern hemisphere than in the southern hemisphere.
 2. Two isotherms can never intersect at any region in any of the two hemispheres.

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 SECURE Himalaya:

1. It will work on curbing the smuggling and poaching of snow leopards.
2. It was launched by the Union Environment Ministry in collaboration with the United Nations Development Program (UNDP).

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

- 96.** Consider the following statements regarding the 'Duns' and 'Duars':

1. Duns are the longitudinal valleys present in the southernmost part of Western Himalayas.
2. Duars are used for the development of tea gardens.

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.** Consider the following statements regarding the recently released 20th Livestock Census:

1. It is an initiative of the Ministry of Agriculture & Farmers' Welfare covering all domesticated animals and their headcounts.
2. The highest proportion of livestock is accounted for by the cattle.
3. Punjab has the highest number of livestock.

Which of the statements given above is/are correct?

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

- 98.** Which of the following may be the repercussions of rising sea surface temperatures?

1. It may lead to an increase in the amount of dissolved oxygen.
2. It may cause the sea level to rise.
3. It may lead to destruction of coral reefs.

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

99. Consider the following characteristics:
1. A dry, warm summer with offshore trade winds.
 2. The concentration of rainfall in the winter with onshore westerlies.
 3. Orchard Farming.

Which of the following world climatic regions has the above characteristics?

- (a) Steppe type
- (b) China type
- (c) Mediterranean type
- (d) Desert type

100. Which of the statements regarding recently released Good Governance Index is/are correct?

1. It aims to provide quantifiable data to compare the state of governance in all states and UTs.
2. In the recently released Good Governance Index, 2019 Tamil Nadu has bagged the top position.

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