

NEXT IAS

**Test Paper:1
Ecology and
Environment**

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Targeted Examinations:

**Civil Services
Preliminary Examination, 2020**

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1. Which of the following statements is/are correct about the UNFCCC's COPs and International Carbon Markets?

1. Article 6 of Paris (France) Agreement deals with the establishment and functioning of International Carbon Markets.

2. Operationalisation or Implementation of the 'International Carbon Market' started with the COP25, Madrid, Spain.

Select the correct Code:

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

2. USA either decided to leave or else has left which of the following International Organizations / Forums?

1. World Health Organization (WHO)

2. UNFCCC's Paris Agreement

3. The United Nations Educational, Scientific and Cultural Organization (UNESCO)

Select the correct Code:

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

3. Which of the following countries are opposed to accounting Kyoto-era Credits under Clean Development Mechanism (CDM) until 2025 in new International Carbon Markets?

1. Brazil

2. India

3. Australia

4. USA

Select the correct Code:

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

(d) 4 Only

4. Which of the following statements is/are correct?

1. The Year 2019 was the hottest/warmest year in the 140-year Climate Record of the National Oceanic and Atmospheric Administration (NOAA) of USA.

2. The world's five warmest years have all occurred in since 2015.

Select the correct Code:

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

5. Which of the following statements is/are correct?

1. "Blue Carbon" is the term for carbon particles that remain in the Earth's Atmosphere

2. Carbon Pools refer to carbon reservoirs and together they make up a carbon stock

Select the correct Code:

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

6. Which of the following factors is mainly taking to more acidification of sea-water?

(a) Melting of glaciers

(b) Increased frequency of tropical cyclones

(c) More oceanic uptake of CO₂

(d) None of these

7. Which of the following correctly denotes the carbon neutrality?

(a) Zero Carbon Footprint

(b) No release of CO₂

(c) No net release of CO₂

(d) None of these

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8. Which of the following statements is/are correct?

1. The 'wetbulb temperature' indicates how efficiently our sweat-based cooling system can work
2. In quantitative measurement 'wet bulb temperature' is higher than 'drybulb temperature'

Select the correct Code:

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

9. Which of the following statements is/are correct about Kyoto Protocol?

1. Through Doha Amendment to Kyoto Protocol in 2012, Kyoto Protocol was extended to the year 2020.
2. Canada has officially withdrawn from the Kyoto Protocol.

Select the correct Code:

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

10. What does 'Bubble' (Carbon Bubble) relating to reduction in Greenhouse Gas Emissions in Kyoto Protocol mean?

1. Joint emission-reduction by a group of countries
2. Conditional emission-reduction by a particular country
3. No emission reduction by a Least Developed Country (LDC)

Select the correct Code:

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

11. As and when Paris Agreement takes off, what will be its most likely impact on amount of money from 'share of proceeds' in Adaptation Fund relating to Conference of Parties?

- (a) It could become significantly larger
- (b) It will reduce much
- (c) It will remain affected
- (d) No observation can be made on it

12. Which of the following statements is/are correct relating to Kyoto Protocol?

1. It puts binding targets for the developed countries known as "Annex I Parties"
2. First commitment period for it was for the duration: 2008 - 2012

Select the correct Code:

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

13. Which of the following statements is/are correct?

1. European Green Deal sets 2035 as the target of Carbon Neutrality for the European Union (EU)
2. CORSIA is an emission reduction scheme for Railway Sector which has come into effect in the year 2020

Select the correct Code:

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

14. As per 2018 UNFCCC Report on Clean Development Mechanism (CDM) which of the following is the highest contributor in the CDMs?

- (a) Railway Sector
- (b) Communication Sector
- (c) Renewable Energy Sector

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(d) Automobile Sector

15. Which of the following statements is/are correct relating to Second Commitment Period for Kyoto Protocol?

1. It has ended in January 2020
2. It will end in December 2020
3. India has ratified it
4. India has not ratified it

Select the correct Code:

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

16. Which of the following statement is correct relating to the issue of US withdrawal from the Paris Agreement?

- (a) US has decided to withdraw but it is yet to formally notify the United Nations about the same
- (b) US has formally notified the United Nations about it but withdrawal may be completed by 2021
- (c) US has formally notified the United Nations about it and the withdrawal process is complete
- (d) None of these

17. Which of the following statements is/are correct about UN Decade of Action on Sustainable Development Goals?

1. Its period is from 2016 to 2025
2. Its levels of action include: Global Action, Local Action, and People Action

Select the correct Code:

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

18. Which of the following statements is/are correct?

1. 4th Ramsar Strategic Plan is brought for the period 2021-2030

2. Decade of Eco-System Restoration is for the period 2016-2025

Select the correct Code:

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

19. Which of the following statements is/are correct about International Union for Conservation of Nature (IUCN)?

1. Membership of the Union is composed of both government and civil society organisations
2. IUCN World Conservation Congress is convened every two years
3. IUCN Council is its Principal Governing Body.

Select the correct Code:

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

20. Which of the following types of wetlands are correctly matched with their meaning and examples?

1. Estuarine: Coastal wetlands including coastal lagoons, rocky shores, seagrass beds and coral reef
2. Lacustrine: Wetlands along with rivers and streams
3. Palustrine: Wetlands associated with lakes

Select the correct Code:

- (a) 1 Only
- (b) 1 and 3 Only
- (c) 2 Only
- (d) None of these

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21. Which of the following statements is/are correct relating to H-CNG?

1. First city in India which took steps for H-CNG fuelled buses is Mumbai
2. H-CNG takes to reduced emission of Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides and particulate matter
3. H-CNG ideal mix increases efficiency level

Select the correct Code:

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

22. Which of the following is/are the advantages of Hydrogen as a Fuel?

1. High energy density
2. Lower chances of leakage
3. Clean Fuel

Select the correct Code:

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

23. Which of the following statements is/are correct about Biofuel Day?

1. It is observed on 6th October every year
2. Theme of Biofuel Day 2019 was "Production of Biodiesel from Used Cooking Oil (UCO)"
3. Department of Biotechnology is the Nodal Agency for observing/organising it in India

Select the correct Code:

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

24. Which of the following are advantages of biodiesel?

1. It is biodegradable
2. It is non-toxic
3. It emits less Carbon Dioxide
4. It had more energy density than petroleum diesel

Select the correct Code:

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

25. Which of the following is/are correctly matched about different generations of biofuel?

1. First Generation: Bioethanol
2. Second Generation: Bio-CNG
3. Third Generation: Bio-Diesel

Select the correct Code:

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

26. Non-edible vegetable oil, used cooking oil or animal fat are the main sources for the production of which of the following biofuel?

- (a) Bioethanol
- (b) Biodiesel
- (c) Bio-CNG
- (d) None of these

27. Which of the following statements is/are correct in context of relative position of the Clean Fuel and checking Carbon Emission?

1. H-CNG is cleaner fuel as compared to CNG as well as Hydrogen
2. Hydrogen is cleaner fuel as compared to B100

Select the correct Code:

- (a) 1 Only
- (b) 2 Only

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- (c) Both 1 and 2
(d) Neither 1 nor 2

28. Which of the following statements is/are correct?

1. The practice of spreading crushed rock to improve soil pH is commonplace in many agricultural regions worldwide
2. Enhanced Rock Weathering involves spreading finely crushed basalt - a natural volcanic rock - on the fields to boost up soil's ability to extract CO₂ from the air

Select the correct Code:

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

29. Under the UNFCCC's Paris Agreement (COP21) who/which-institution of the following is the depository to the agreement?

- (a) United Nations Environment Programme (UNEP)
(b) Secretary General of United Nations (UN)
(c) Intergovernmental Panel on Climate Change (IPCC)
(d) None of these

30. Which of the following statements is/are correct relating to the National Green Tribunal (NGT)?

1. Justice Adarsh Kumar Goel is its present Chairman
2. Its Principal Place of Sitting is New Delhi and other places of sitting include Pune and Chennai but no place other than these

Select the correct Code:

- (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 relating to National Green Tribunal (NGT)?

1. A person cannot be qualified for appointment as the Chairperson of the Tribunal unless one is or has been a Judge of the Supreme Court of India or Chief Justice of a High Court
2. Its Chairperson is appointed by the Central Government in consultation with the Chief Justice of India (CJI)
3. A person cannot be qualified for appointment as the Judicial Member of the Tribunal unless one is or has been a Judge of the Supreme Court of India or Chief Justice of a High Court or a Judge of a High Court

Select the correct Code:

- (a) 2 Only
(b) 1 and Only
(c) 1, 2 and 3
(d) None of these

32. Which of following statements relating to National Biodiversity Authority is/are correct?

1. Its Chairperson is its Chief Executive
2. National Biodiversity Authority (NBA) furnishes its Annual Report to the Parliament through the Speaker of Lok Sabha

Select the correct Code:

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

33. Which of the following statements is/are correct as per the provisions of The Biological Diversity Act, 2002?

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1. Every local body shall constitute a Biodiversity Management Committee within its area for the purpose of promoting conservation, sustainable use and documentation of biological diversity

2. A Biodiversity Management Committee is to submit its Annual Report to the District Magistrate having jurisdiction over the area of the local body

Select the correct Code:

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

34. Which of the following statements is/are correct about Sustainable Development Goals (SDGs)?

1. These were brought in UN Summit on Sustainable Development Goals (SDGs), 2015

2. There are 13 Sustainable Development Goals

3. These are an improvement over Millennium Development Goals (MDGs)

4. They are to be achieved by 2030

Select the correct Code:

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

35. 'PARIVESH' stands for:

(a) Pro-Active and Responsive facilitation by Interactive, Virtuous and Environmental Single-window Hub

(b) Pro-Active and Representative follow-up by Intelligent, Virtuous and Environmental Single-window Hub

(c) Pro-Active and Responsive follow-up by Innovative, Vibrant and Environmental Single-window Hub

(d) None of these

36. A High Level Task Force for the management of Air Pollution in Delhi and NCR was constituted in 2017, who amongst the following was made its Chairperson?

- (a) Cabinet Secretary
- (b) Secretary, Union Ministry of Environment, Forest and Climate Change
- (c) Principal Secretary to the Prime Minister
- (d) None of these

37. Which of the following statements is/are correct about Sundarbans?

1. It is world's largest and fastest growing river delta

2. It is wetland site under Ramsar Convention

3. Cyclone Amphan (2020) had landfall there

Select the correct Code:

- (a) 2 Only
- (b) 2 and 3 Only
- (c) 1, 2 and 3
- (d) None of these

38. Which of the following statements is/are correct about Jatropha?

1. It is a plant that grows in harsh rocky terrain

2. It needs high quantity of water

3. Oil extracted from its seeds can be converted into bio-diesel

4. Residual seed cake after extracting oil can be used as organic fertilizer

Select the correct Code:

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

39. Which of the following statements is/are correct?

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1. The Ministry of Environment, Forest and Climate Change is responsible for overall policy in relation to forests except for matters relating to the rights of forest dwelling Scheduled Tribes on forest land
2. The Ministry of Environment, Forest and Climate Change is responsible for overall policy in relation to forests including matters relating to the rights of forest dwelling Scheduled Tribes on forest land
3. Ministry of Earth Sciences is the Cadre Controlling Authority for Indian Forest Service

Select the correct Code:

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

40. Which of the following statements is/are correct?

1. In 2002 United Nations adopted 21st April as the International Day for Biological Diversity
2. Theme of 2020 International Day for Biological Diversity was 'Go Wild for Life'
3. 2016-2025 was declared as United Nations Decade on Biodiversity

Select the correct Code:

- (a) 1 Only
- (b) 2 and 3 Only
- (c) 3 Only
- (d) None of these

41. Which of the following statements is/are correct about Genetically Modified (GM) Crop cultivation in India?

1. GM Soybean and Bt Brinjal GM Crops are legally permitted for mass production/cultivation in India
2. Bt Cotton was the first GM Crop legally permitted for mass production/cultivation in India

Select the correct Code:

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

42. Which of the following statement is correct about exact legal-procedural position of Bt Brinjal for mass production/cultivation in India?

- (a) GEAC never gave it any related approval
- (b) GEAC approved it but National Biodiversity Authority (NBA) raised multiple objections
- (c) GEAC approved it but then Union Environment Minister changed/reversed the decision
- (d) None of these

43. One latest accession to the Cartagena Protocol took place in January 2020 of which of the following countries?

- (a) South Sudan
- (b) Uzbekistan
- (c) Russian Federation
- (d) United States of America

44. Which of the following materials come in the category of bioplastic?

1. Bio-based
2. Bio-degradable
3. Bio-based as well as Biodegradable

Select the correct Code:

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

45. Which of the following is/are correctly matched with the type of biofertilizer?

1. Bacterial biofertilizer: Rhizobium
2. Fungal Biofertilizer: Frankia
3. Algal Biofertilizer: Mycorrhiza

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Select the correct Code:

- (a) 1 Only
- (b) 2 and 3 Only
- (c) 1, 2 and 3
- (d) None of these

46. Dinosaurs are believed to have been wiped out in which of the following Mass Extinctions?

- (a) Third
- (b) Fourth
- (c) Fifth
- (d) None of these

47. Which of the following stand(s) true for the 'Sixth Mass Extinction'?

1. Driven by homo sapiens
2. Massive emission of CO₂ due to fossil fuel burning
3. Threat to wildlife due to habitat destruction and toxic pollution

Select the correct Code:

- (a) 1 Only
- (b) 2 and 3 Only
- (c) 1, 2 and 3
- (d) None of these

48. In 2019 C40 World Mayors Summit which of the following Indian cities has been awarded for Green Mobility for low carbon commute transition?

- (a) New Delhi
- (b) Mumbai
- (c) Chennai
- (d) Kolkata

49. Which of the following statements is/are correct about TRAFFIC?

1. It was established in 1976 by International Union for Conservation of Nature (IUCN) and World Wide Fund for Nature (WWF)

2. Its purpose is to respond to growing threat posed by unsustainable illegal wildlife trade and it plays a important role as a global wildlife specialist

Select the correct Code:

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

50. Which of the following organs/units of the Global Alliance for Climate Smart Agriculture (GASCA) is/are correctly matched with the purpose which they serve?

1. Strategic Committee (SC): Secretariat
2. Facilitation Unit (FU): Open Dialogue, consensus, vision and knowledge exchange
3. Annual Forum: Representative Body and approval of the Annual Programme of work

Select the correct Code:

- (a) 1 Only
- (b) 2 and 3 Only
- (c) 1, 2 and 3
- (d) None of these

51. Which of the following are included in invasive nature of *Prosopis juliflora* ("seemai" trees)?

1. Tolerant to wide range of weather and climatic conditions
2. Discouraging other plants from growing around them

Select the correct Code:

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

52. Assertion (A): Genetically Modified (GM) Crops need more pesticides.

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Reason (R): Genetically Modified (GM) Crops are more resistant to pest.

- (c) Both 1 and 2
(d) Neither 1 nor 2

Select the correct Code:

- (a) Assertion (A) and Reason (R) both are correct, and Reason (R) is the correct explanation for Assertion (A)
(b) Assertion (A) and Reason (R) both are correct, but Reason (R) is not the correct explanation for Assertion (A)
(c) Assertion (A) is correct, but Reason (R) is wrong
(d) Assertion (A) is wrong, but Reason (R) is correct

53. Which of the following statements is/are correct about ENVIS - Environmental Information System brought in India?

1. It was first established in 2014
2. Its large number of nodes are ENVIS Centres
3. It is designated as Regional Service Centre (RSC) for INFOTERRA of UNEP

Select the correct Code:

- (a) 1 Only
(b) 2 and 3 Only
(c) 1, 2 and 3
(d) None of these

54. Which of the following statements is/are correct?

1. As per Intended Nationally Determined Contributions (INDCs) submitted by India to UNFCCC in 2015, India is to create carbon sink of 3.5 - 4.0 billion tonnes of CO₂ by 2030.
2. As per 'India State of Forest Report - 2019' forest and tree cover in India has increased as compared to 'India State of Forest Report - 2017'.

Select the correct Code:

- (a) 1 Only
(b) 2 Only

55. Take following states for area wise large forest cover in the country.

1. Arunachal Pradesh
2. Maharashtra
3. Madhya Pradesh
4. Chhattisgarh
5. Odisha

Arrange them in Top-5 sequence in descending order as per India State of Forest Report - 2019.

Select the correct Code:

- (a) 1, 2, 3, 4, and 5
(b) 3, 2, 1, 5, and 4
(c) 3, 1, 4, 5, and 2
(d) None of these

56. Which of the following is the parent law through which Central Pollution Control Board (CPCB) is created?

- (a) Water (Prevention and Control of Pollution) Act, 1974
(b) Air (Prevention and Control of Pollution) Act, 1981
(c) Environment (Protection) Act, 1986
(d) None of these

57. Which of the following statements is/are correct?

1. Central Pollution Control Board (CPCB) is involved in resolving the disputes between different State Pollution Control Boards
2. National Biodiversity Authority (NBA) is involved in resolving the disputes between different State Biodiversity Boards

Select the correct Code:

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

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58. Which of the following is the main feature of Precision Agriculture?

- (a) Use of Mobile based Apps and Artificial Intelligence (AI) for information and feedback
- (b) Growing Genetically Modified (GM) Crops with lesser use herbicides and pesticides
- (c) Promoting organic farming and checking use of chemical fertilisers
- (d) None of these

59. In its functioning, which of the following bodies has the highest autonomy and independence from the Government?

- (a) Genetic Engineering Appraisal Committee (GEAC)
- (b) National Biodiversity Authority (NBA)
- (c) National Green Tribunal (NGT)
- (d) Central Pollution Control Board (CPCB)

60. Which of the following institution/body came-up/developed with the Bt Brinjal in India?

- (a) Maharashtra Hybrid Seed Company (Mahyco)
- (b) Centre for Genetic Manipulation of Crop Plants of Delhi University
- (c) Punjab Agricultural University (PAU)
- (d) Indian Agricultural Research Institute (IARI)

61. Which of the following statements is correct?

- (a) Value of Biological Oxygen on Demand (BOD) is higher than that of Chemical Oxygen on Demand (COD)
- (b) Value of Chemical Oxygen on Demand (COD) is higher than that of Biological Oxygen on Demand (BOD)
- (c) Value of Biological Oxygen on Demand (BOD) is equal to the value of Chemical Oxygen on Demand (COD)

(d) It depends on weather conditions whether value of Biological Oxygen on Demand (BOD) is higher or that of Chemical Oxygen on Demand (COD)

62. Which of the following statements is/are correct?

- 1. In photosynthesis, with the use of sun's energy, energy-poor compounds carbon dioxide and water are converted into carbohydrates and oxygen.
- 2. Respiration in mitochondria takes place only in animals not in the plants
- 3. Respiration in mitochondria takes places only in plants not in animals

Select the correct Code:

- (a) 1 Only
- (b) 1 and 2 Only
- (c) 1 and 3 Only
- (d) None of these

63. Recently there has been a relatively serious problem of Locust Swarms in some parts of the world, which of the following statements are correct about them?

- 1. Scientific name of desert locusts is *Schistocerca Gregaria*
- 2. They belong to the family of grasshoppers
- 3. They can travel a distance of maximum 20 kms in a day

Select the correct Code:

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

64. Assertion (A): Government of India has taken steps for boosting the production and increasing imports of Dichlorvos (DDVT).

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Reason (R): Dichlorvos (DDVT) is a pesticide which is capable of killing locusts and in 2020 there has been a problem of locust swarm attack.

Select the correct Code:

- (a) Assertion (A) and Reason (R) both are correct, and Reason (R) is the correct explanation for Assertion (A)
- (b) Assertion (A) and Reason (R) both are correct, but Reason (R) is not the correct explanation for Assertion (A)
- (c) Assertion (A) is correct, but Reason (R) is wrong
- (d) Assertion (A) is wrong, but Reason (R) is correct

65. What are B₁, B₂, G₁, and G₂?

- (a) Aflatoxins
- (b) Viruses
- (c) Vaccines
- (d) None of these

66. Which of the following is a big challenge in using Stratospheric Aerosol Injection (SAI) for Solar Radiation Management (SRM) as per computer simulation models used for its research?

- (a) Aerosol particles are very short-lived in Stratosphere
- (b) It may lead to an increase in Greenhouse Gases in the atmosphere
- (c) It is very expansive thus may be difficult to practically use it
- (d) It may affect precipitation thus challenge in water sufficiency and management

67. Looking at Cyclone Amphan 2020 and other previous and new cyclonic data, it comes out that Indian Sub-continent is the worst cyclone-affected region in the world, why so?

- 1. Vast coastline
- 2. High density of population in the coastline
- 3. Increase frequency and intensity of cyclone

Select the correct Code:

- (a) 3 Only
- (b) 1 and 2 Only
- (c) 1, 2 and 3
- (d) None of these

68. Which of the following responsibilities is/are assigned or allocated to The Regional Specialised Meteorological Centre (RSMC), New Delhi?

- 1. Naming the cyclones in the region bordering Bay of Bengal and Arabian Sea
- 2. Tropical Cyclone Advisory to WMO/ESCAP Panel countries bordering Bay of Bengal and Arabian Sea Region

Select the correct Code:

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

69. Which of the following statements is/are correct about National Green Corps (NGC)?

- 1. The Programme is under the Ministry of Environment, Forest and Climate Change
- 2. There are District Implementation and Monitoring Committees supported by District Coordinator
- 3. There is use of NGC School Eco-Clubs

Select the correct Code:

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

70. Assertion (A): Trichoderma can be used as antibiotics.

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Reason (R): Trichoderma is a type of Fungi.

Select the correct Code:

- (a) Assertion (A) and Reason (R) both are correct, and Reason (R) is the correct explanation for Assertion (A)
- (b) Assertion (A) and Reason (R) both are correct, but Reason (R) is not the correct explanation for Assertion (A)
- (c) Assertion (A) is correct, but Reason (R) is wrong
- (d) Assertion (A) is wrong, but Reason (R) is correct

71. Which of the following statements is/are correct about PAGE?

- 1. It stands for Pro-Active Action for Genetic Engineering
- 2. It was launched in 2019
- 3. It brings together expertise of UNEP, ILO, UNIDO, UNDP and UNITAR
- 4. It is to advance 2030 Agenda for Sustainable Development

Select the correct Code:

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

72. Which of the following statements is/are correct about First Green Revolution in India?

- 1. It first started in late 1980s
- 2. It aimed at Food Security
- 3. It made use of High Yielding Varieties (HYV)
- 4. It got help from US-based Rockefeller Foundation

Select the correct Code:

- (a) 2 Only
- (b) 2 and 3 Only
- (c) 2, 3 and 4 Only

(d) 1, 3 and 4 Only

73. Which of the following statements is/are correct about REDD+?

- 1. It stands for Reducing Emissions from Deforestation and Forest Degradation (REDD+)
- 2. It created financial value for the carbon stored in forests by offering incentives for developing countries based on their result-based actions

Select the correct Code:

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

74. Which of the following statements is/are correct?

- 1. Marine Cloud Brightening (MCB) is based on the fact that clouds with larger droplets reflect more sunlight
- 2. Marine Cloud Brightening (MCB) is based on the fact that clouds with smaller droplets reflect more sunlight
- 3. Reducing the Cirrus Cloud leads to cooling effect
- 4. Reducing the Cirrus Cloud leads to warming effect

Select the correct Code:

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

75. Which of the following statements is/are correct about The Thirteenth Session of the Conference of the Parties to the Convention on the Conservation of Migratory Species of Wild Animals (CMS-COP-13)?

- 1. Its Mascot was Great Indian Bustard (GIB) - nicknamed 'Gibi'

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2. Its 'Logo' was inspired by 'Kolam' a traditional art from Southern India

Select the correct Code:

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

76. In CMS-COP-13 hosted by India in 2020, following are the amongst the new species included in 'Appendix I' of the Convention on Migratory Species (CMS) which contains list of 'migratory species threatened with extinction'. Which one of these were suggested/proposed by India?

- 1. Asian Elephant
- 2. The Great Indian Bustard
- 3. Bengal Florican
- 4. Little Bustard

Select the correct Code:

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

77. Which of the following statements is/are correct about BASIC?

- 1. There are five countries in it
- 2. BASIC Group of countries are working together to fight climate change and negotiating in UNFCCC
- 3. Its 28th Ministerial Meeting in August 2019 took place in Cape Town, South Africa

Select the correct Code:

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

78. International Solar Alliance (ISA) is brought to duplicate and replicate the efforts and activities of which which of the following International Agencies?

1. International Renewable Energy Agency (IRENA)

2. Renewable Energy Policy Network for 21st Century (REN21)

3. Renewable Energy and Energy Efficiency Partnership (REEEP)

Select the correct Code:

- (a) 2 Only
- (b) 1 and 2 Only
- (c) 1, 2 and 3
- (d) None of these

79. As per the provisions of International Solar Alliance (ISA) Treaty which of the following institution/office is the depository of the ISA Framework Agreement?

- (a) Office of United Nations (UN) Secretary General
- (b) United National Environment Programme (UNEP)
- (c) Government of India (GoI)
- (d) International Renewable Energy Agency (IRENA)

80. Which of the following statements are correctly stated about the Geo-Engineering?

- 1. Its main aim is expanding safe mining
- 2. If targets of reduction in greenhouse gas emissions are not met then use of Geo-Engineering will shrink
- 3. Its main aim is reversing climate change
- 4. If targets of reduction in greenhouse gas emission are not met then need for Geo-Engineering will increase

Select the correct Code:

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

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81. For promoting environment friendly energy efficient Green Computing which of the following statements is/are correct?

1. Supercomputing should be preferred and promoted rather than Quantum Computing
2. 'Quantum-Dot Light Emitting Diode (QLED) Technology' should be preferred and promoted over 'Organic Light Emitting Diode (OLED) Technology'

Select the correct Code:

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

82. Which of the following statements is/are correct about 'Runway Climate Change'?

1. Climate Change suddenly gets worse after passing a 'tripping point'
2. After 'Runway Climate Change' it is difficult to reverse it
3. Climate changes for the better-off or worse-off depending on transport volume and technology

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

83. Which of the following statements is/are correct about World Earth Day?

1. It is celebrated on 5th June
2. World Earth Day 2020 Theme: Climate Action
3. In 2020 World Earth Day had its 50th Anniversary

Select the correct Code:

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

84. Which of the following correctly expresses Earth Overshoot Day?

- (a) Date of the year which sees the highest increase in the temperature on the corresponding date in the previous year
- (b) Date of the year which sees the highest number of child births taking place as compared to corresponding date in the previous year
- (c) Date of the year when humanity's annual demand on nature exceeds what Earth's ecosystem can regenerate for that year
- (d) None of these

85. Which of the following statements is/are correct about Least Developed Countries (LDCs)?

1. 41 Countries are classified as Least Developed Countries (LDCs) by United Nations (UN)
2. Least Developed Countries (LDCs) are given special consideration under United Nations Framework Convention on Climate Change (LDCs)
3. In UNFCCC negotiations present leadership of Least Developed Countries (LDCs) is with Ethiopia

Select the correct Code:

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

86. Which of the following statements is/are correct relating to the Review Committee on Genetic Manipulation (RCGM)?

1. It is set up in the Ministry of Environment, Forest and Climate Change
2. It gives approval to Genetically Modified (GM) Crops for commercial cultivation

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Select the correct Code:

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

87. Which of the following statements is/are correct concerning the Constitutional provisions relating to environment and forests?

1. In Directive Principles of State Policy (DPSPs) a directive is given to the State for protection of environment and safeguarding of forests and wildlife
2. 42nd Constitutional Amendment incorporated/added a new Article 48A in the Constitution after Article 48 of the Constitution
3. 42nd Constitutional Amendment amended already existing Article 48 and enshrined/added provisions relating to protection of environment and safeguarding forests and wildlife

Select the correct Code:

- (a) 1 Only
- (b) 1 and 2 Only
- (c) 1 and 3 Only
- (d) None of these

88. Which of the following statements is/are correct concerning Environment Education, Awareness and Training (EEAT) Scheme relating to environment?

1. The Scheme was initially launched in 2014-15
2. There are totally three programmes under its ambit
3. National Green Corps (NGC) - 'Ecoclub' Programme, Green Good Deeds (GGD) and National Nature Camping Programme (NNCP) are in its ambit

4. Global Learning and Observation to Benefit the Environment (GLOBE) is not included in its ambit

Select the correct Code:

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

89. Which of the following statements is/are correct about KURMA App?

1. It is relating to conservation of Great Indian Bustard (GIB)
2. It is related to conservation of Turtles
3. It is developed and launched by National Informatics Centre (NIC)

Select the correct Code:

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

90. In Swachh Survekshan (SS) Survey 2019 Ranking, which of the following are the top three cities/ULBs in descending sequence in the category of population more than 1 lakh?

- (a) Indore, Ujjain, and New Delhi
- (b) Indore, Ambikapur, and Mysuru
- (c) Ujjain, Indore, and Mysuru
- (d) None of the above

91. Which of the following statements is/are correct?

1. As per 'Status of Tiger, Co-predators & Prey in India - 2018 Report', there are 43 Tiger Reserves in India
2. Eighteen countries participated in St Petersburg Tiger Summit 2010 as Tiger-Range countries

Select the correct Code:

- (a) 1 Only
- (b) 2 Only

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- (c) Both 1 and 2
(d) Neither 1 nor 2

92. Assertion (A): Out of all the States, Uttarakhand has the highest number of tigers in India as 'Status of Tiger, Co-Predators & Prey in India - 2018 Report.

Reason (R): Out of all the Tiger Reserves in India, 'Jim Corbett National Park' has the largest number of tigers, and it is in Uttarakhand.

Select the correct Code:

- (a) Assertion (A) and Reason (R) both are correct, and Reason (R) is the correct explanation for Assertion (A)
(b) Assertion (A) and Reason (R) both are correct, but Reason (R) is not the correct explanation for Assertion (A)
(c) Assertion (A) is correct, but Reason (R) is wrong
(d) Assertion (A) is wrong, but Reason (R) is correct

93. Which of the following statements are correct?

1. Tiger is "umbrella species"
2. India has highest number of tigers in the world
3. Between 2006 - 18 there was an increase of 16 percent per annum in the tiger population in India

Select the correct Code:

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

94. Which of the following statements is/are correct about MSTripES?

1. It stands for Monitoring System for Tiger's Intensive Protection and Ecological Status

2. It is yet to be extended/implemented in some Tiger Reserves in India

Select the correct Code:

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

95. Which of the following statements is correct about Aral Sea shrinkage phenomenon?

1. Its shrinkage started in last decade of 20th Century but stopped in second decade of 21st Century

2. It started in the second half of 20th Century and is continuing in 21st Century

3. Reduced rate of river inflow and water loss through evaporation mainly led to its shrinkage

Select the correct Code:

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

96. Which of the following water bodies is known for eggs which are processed into caviar?

- (a) Lake Chad
(b) Aral Sea
(c) Lake Baikal
(d) Caspian Sea

97. Convention on Legal Status of Caspian Sea - 2018 gives it "Special Legal Status", what does it mean about its actual status as the Sea or the Lake?

1. It is taken as Sea for 'surface-water' as well as 'seabed' use

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2. It is taken as Lake for 'surface-water' as well as 'seabed' use

(d) Haryana, Jharkhand, Gujarat, Sikkim and Tamil Nadu

Select the correct Code:

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

98. Global Alliance for Climate Smart Agriculture (GASCA) is primarily hosed by which of the following International Organizations?

- (a) United Nations Development Programme (UNDP)
- (b) United Nations Environment Programme (UNEP)
- (c) Food and Agricultural Organization (FAO)
- (d) Inter-Governmental Penal on Climate Change (IPCC)

99. Which of the following are the practices used in Conservation Agriculture?

- 1. No-till farming
- 2. Use of organic soil
- 3. Rotating crops

Select the correct Code:

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

100. Green-Ag Project funded by Global Environment Facility (GEF) is being implemented in which of the following States in India?

- (a) Punjab, Assam, Maharashtra, Karnataka, and Kerala
- (b) Mizoram, Madhya Pradesh, Odisha, Rajasthan, and Uttarakhand
- (c) Uttar Pradesh, Himachal Pradesh, Nagaland, Telangana, and Andhra Pradesh

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- | | | | | |
|----------------|----------------|----------------|----------------|-----------------|
| <u>1.</u> (a) | <u>21.</u> (b) | <u>41.</u> (b) | <u>61.</u> (b) | <u>81.</u> (d) |
| <u>2.</u> (d) | <u>22.</u> (b) | <u>42.</u> (c) | <u>62.</u> (a) | <u>82.</u> (b) |
| <u>3.</u> (d) | <u>23.</u> (c) | <u>43.</u> (b) | <u>63.</u> (a) | <u>83.</u> (c) |
| <u>4.</u> (b) | <u>24.</u> (a) | <u>44.</u> (d) | <u>64.</u> (d) | <u>84.</u> (c) |
| <u>5.</u> (b) | <u>25.</u> (a) | <u>45.</u> (a) | <u>65.</u> (a) | <u>85.</u> (a) |
| <u>6.</u> (c) | <u>26.</u> (b) | <u>46.</u> (c) | <u>66.</u> (d) | <u>86.</u> (d) |
| <u>7.</u> (c) | <u>27.</u> (b) | <u>47.</u> (c) | <u>67.</u> (c) | <u>87.</u> (b) |
| <u>8.</u> (a) | <u>28.</u> (c) | <u>48.</u> (d) | <u>68.</u> (c) | <u>88.</u> (a) |
| <u>9.</u> (c) | <u>29.</u> (b) | <u>49.</u> (c) | <u>69.</u> (d) | <u>89.</u> (a) |
| <u>10.</u> (a) | <u>30.</u> (a) | <u>50.</u> (d) | <u>70.</u> (b) | <u>90.</u> (b) |
| <u>11.</u> (a) | <u>31.</u> (c) | <u>51.</u> (c) | <u>71.</u> (b) | <u>91.</u> (d) |
| <u>12.</u> (c) | <u>32.</u> (a) | <u>52.</u> (d) | <u>72.</u> (c) | <u>92.</u> (d) |
| <u>13.</u> (d) | <u>33.</u> (c) | <u>53.</u> (b) | <u>73.</u> (c) | <u>93.</u> (a) |
| <u>14.</u> (c) | <u>34.</u> (c) | <u>54.</u> (b) | <u>74.</u> (c) | <u>94.</u> (a) |
| <u>15.</u> (c) | <u>35.</u> (a) | <u>55.</u> (c) | <u>75.</u> (c) | <u>95.</u> (d) |
| <u>16.</u> (b) | <u>36.</u> (c) | <u>56.</u> (a) | <u>76.</u> (a) | <u>96.</u> (d) |
| <u>17.</u> (b) | <u>37.</u> (c) | <u>57.</u> (c) | <u>77.</u> (a) | <u>97.</u> (d) |
| <u>18.</u> (d) | <u>38.</u> (c) | <u>58.</u> (a) | <u>78.</u> (d) | <u>98.</u> (c) |
| <u>19.</u> (c) | <u>39.</u> (a) | <u>59.</u> (c) | <u>79.</u> (c) | <u>99.</u> (d) |
| <u>20.</u> (d) | <u>40.</u> (d) | <u>60.</u> (a) | <u>80.</u> (d) | <u>100.</u> (b) |