

SECTIONAL TEST SERIES - 1
CURRENT AFFAIRS (ENVIRONMENT/BIO-DIVERSITY)
FULL MARKS : 200 * TIME : 2 HOURS

1. Consider the following statements :

- i) CITES is an international treaty for the protection of endangered species of animals and plants.
- ii) CITES covers alive species only.
- iii) Trade in species covered under Appendix-I of CITES is not allowed.
- iv) CITES secretariat which is administered by UNEP is located at Nairobi in Kenya.

Select the correct statement/s from those given above.

Codes :

- (a) i only (b) i, ii & iv (c) ii, iii & iv (d) i, iii & iv.

2. Find the correct statement/s :

- i) Dalbergia Sissoo (Rosewood) is a species native to India only.
- ii) It has been placed in Appendix-II of CITES which includes species that are not threatened with extinction but whose trade must be controlled to avoid their over exploitation.

Codes :

- (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.

3. Select the correct statement/s from those given hereunder :

- i) World Environment Day which falls on June 5 coincides with the day of establishment UNEP.
- ii) UNEP has its headquarters at Nairobi in Kenya.
- iii) It is the UNEP, along with IUCN, that sets the global environment agenda.

Codes :

- (a) ii only (b) i, & ii (c) ii & iii (d) i, ii & iii.

4. Which among the following species in India has been categorized as vulnerable in IUCN Red List? :

- a) Gekko gekko b) Smooth Coated Otter
- c) Indian Star Tortoise d) None of these.

5. Cartagena Protocol on Biosafety covers :

- i) Faunal species only ii) Living organisms iii) Dead organisms.

Codes :

- (a) i only (b) ii only (c) i & ii (d) i, ii & iii.

6. Consider the following :

- i) International Whaling Commission (IWC) which has been set up under the International Convention for the Regulation of Whaling does not allow commercial whaling in open seas.
- ii) India is not a member of IWC.
- iii) IWC has designated a whale sanctuary in South Atlantic Ocean.
- iv) Recently, USA has declared its intention to withdraw from IWC.

Which of the above statements is / are correct?

Codes :

- (a) i only (b) i & iii (c) i, ii & iii (d) i, ii & iv.

7. Select the correct statement/s from those given below :

- i) 'Global peaking' is a precondition for 'climate neutrality'.
- ii) 'Global Climate neutrality' refers to 'zero net anthropogenic GHG emissions'.
- iii) 'Carbon neutrality' refers to anthropogenic carbon dioxide emission only.
- iv) The term 'net zero carbon emissions' is synonymous to 'carbon neutrality'.

Which of the above statements is / are correct?

Codes :

- (a) iv only (b) i & iv (c) ii & iii (d) i, ii & iii.

8. Select the correct statement/s :

- i) Japan Biodiversity Fund is an outcome of Nagoya Protocol.
- ii) Aichi targets include phasing out of subsidies harmful to biodiversity.

iii) Nagoya Protocol emphasized on role of traditional knowledge in conservation of biodiversity.

Codes :

(a) ii only (b) i & ii (c) ii & iii (d) i, ii & iii.

9. **Consider the following statements :**

i) Convention of Biological Diversity (CBD) is a sister concern of United Nations Framework Convention on Climate Change in respect that both are the outcome of Rio-Earth Summit.

ii) India is a party to the CBD.

iii) CBD is related to only in-situ conservation of biodiversity.

iv) Cartagena Protocol on Biosafety is a supplementary agreement to the CBD.

Which of the above statement/s is / are correct?

(a) i, ii & iii (b) i, ii & iv (c) i, iii & iv (d) ii, iii & iv.

10. **Which among the following Ozone Depleting Substances is not covered by Montreal Protocol? :**

a) Carbon tetrachloride

b) Methyl bromide

c) Methyl chloroform

d) Nitrous oxide.

11. **Select the correct statements from those given below :**

i) The second commitment period of Kyoto Protocol (Kyoto-II) has not yet come into force.

ii) The main deviation of Kyoto-II from Kyoto-I is that in Kyoto-II the list of GHGs has been revised.

iii) Total seven GHGs are covered under the Kyoto Protocol.

iv) Kyoto emission reduction norms are not binding on India.

Codes :

(a) ii only (b) i & iii (c) i, ii & iii (d) i, ii, iii & iv.

12. **Consider the following statements :**

i) Carbon dioxide is the most potent greenhouse gas.

ii) Methane emission increases with increase in global temperature.

iii) Ozone depleting substances are categorized as High Global Warming Potential Gases.

Which of the above statements is / are correct?

Codes :

(a) i only (b) i & ii (c) ii & iii (d) i, ii & iii.

13. **India's Nationally Determined Contributions (NDCs) committed at CoP-21 of UNFCCC include :**

i) Reduction of emission intensity.

ii) Creation of additional carbon sinks.

iii) Anchoring of Global Solar Alliance.

Codes :

(a) i only (b) i & ii (c) ii & iii (d) i, ii & iii.

14. **Which among the following programmes of UNFCCC is/are concerned with the terrestrial carbon sinks in particular? :**

a) REDD

b) LULUCF

c) Both (a) & (b)

d) None of these.

15. **Find the correct statements from those given below :**

i) GACSA has been promoted by FAO.

ii) GACSA is related to the promotion of climate resilient agriculture.

iii) India is not a member of GACSA.

Codes :

(a) i & ii (b) ii & iii (c) i & iii (d) i, ii & iii.

16. **With reference to the 'Global Alliance for Climate-Smart Agriculture (GACSA)' which of the following statements is/are correct? :**

i) GACSA is an outcome of Climate Summit held in Paris in 2015.

ii) Membership of GACSA does not create any binding obligations.

iii) India was instrumental in the creation of GACSA.

Select the correct answer using the codes given below.

Codes :

(a) i & iii (b) ii only (c) ii & iii (d) i, ii & iii.

17. **With reference to the Paris Agreement concluded in 2015 at CoP-21 of UNFCCC, which of the following statements is/are correct? :**
- The Agreement went into effect in 2018 after meeting the 'double threshold'.
 - The Agreement aims to limit the greenhouse gas emissions so that the rise in average global temperature by the end of this century does not exceed 2°C or even 1.5°C above pre-industrial levels.
 - Developed countries acknowledged their historical responsibility in global warming & committed to donate \$1000 billion a year up to 2020 to help developing countries to cope with climate change.
- Codes :**
- (a) i & iii (b) ii only (c) ii & iii (d) i, ii & iii.
18. **Which one of the following is associated with the issue of control and phasing out of the use of ozone-depleting substances? :**
- Bretton Woods Conference
 - Montreal Protocol
 - Kyoto Protocol
 - Nagoya Protocol.
19. **Which of the following statements regarding 'Green Climate Fund' is / are correct? :**
- It is the intended to assist the developing countries in adapting and mitigation practices to counter climate change.
 - It is founded under the aegies of UNEP, OECD, Asian Development Bank and World Bank.
- Select the correct answer using the codes given below.**
- Codes :**
- (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.
20. **Select the correct statement/s from those given below :**
- Soil which remains frozen at a temperature below 0°C for at least one year is called permafrost soil.
 - Permafrost soils are rich in organic carbon.
- Codes :**
- (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.
21. **FAO, a specialized agency of UNO, works for :**
- Eliminating hunger
 - Improving safety of food.
 - Reducing poverty
 - Addressing gender disparity.
- Codes :**
- (a) i only (b) i & ii (c) i & iii (d) i, ii, iii & iv.
22. **Consider the following statements :**
- Adaptation Fund has been designated to serve Paris Agreement.
 - World Bank serves as the trustee of Adaptation Fund.
 - The major source of Adaptation Fund is contributions from government and private donors.
- Which of the above statements is/are true? Select your answer from the codes given below :**
- Codes :**
- (a) ii only (b) i & ii (c) i & iii (d) i, ii & iii.
23. **Climate Vulnerable Forum is :**
- A civil society formed at CoP-22 to aware people about harmful & Irreversible effects of climate change and so, awares them to be more responsible towards climate protection.
 - A platform where governments/organizations discuss strategy for climate action to save the vulnerable societies from harmful effects of climate change.
 - An international partnership of countries that are highly vulnerable to global warming.
 - None of these.
24. **Consider the following statements :**
- Paris Agreement shall replace Kyoto Protocol.
 - Paris Agreement required member countries to phase out their carbon emissions by 2050.
 - It envisions achieving climate neutrality by the end of 21st century.
- Which of the above statements is/are correct? Select your answer from the codes given below:**
- Codes :**
- (a) i only (b) i & ii (c) ii & iii (d) i, ii & iii.
25. **Katowice is the city in Poland which remained in news recently. Which of the following statements is/are correct about Katowice? :**

- i) CoP-24 of UNFCCC was held at Katowice in December 2018.
- ii) It is the cleanest & greenest city of Poland.
- iii) It is remained famous for several coal mines in the past.

Codes :

- (a) i only (b) i & ii (c) i & iii (d) i, ii & iii.

26. Which of the following statements is/are about Conference of Parties-24 held at Poland in 2018? :

- i) It was the first CoP after US pulled out from the Paris Agreement.
- ii) In this conference, rules for the implementation of Paris Agreement were finalized.
- iii) It led to the formation of Climate Vulnerable Forum.

Codes :

- (a) ii only (b) i & ii (c) ii & iii (d) i, ii & iii.

27. Which among the following places would be nearest from the Tropic of Cancer? :

- a) Nagpur b) Jabalpur c) Bhopal d) Bhubaneswar.

28. Which one of the following rivers thrice forks into two streams and reunites a few miles farther on, thus forming the islands Srirangapattanam, Sivasamudram and Srirangam? :

- a) Cauvery b) Tungabhadra c) Krishna d) Godavari.

29. Consider the following statements :

- i) Clean Development Mechanism (CDM) in respect of carbon credits is one of the Kyoto Protocol Mechanisms.
- ii) Under the CDM, the projects handled pertained only to the Annex-I countries.

Which of statements given above is/are correct? :

Codes :

- (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.

30. Which of the following Union Ministries implement the Cartagena Protocol on Bio-safety? :

- a) Ministry of Science & Technology.
- b) Ministry of Health & Family Welfare.
- c) Ministry of Environment, Forests & Climate Change.
- d) Ministry of Chemicals & Fertilizers.

31. The United Nations Framework Convention on Climate Change (UNFCCC) is an international treaty drawn at :

- a) United Nations Conference on the Human Environment, Stockholm, 1972.
- b) UN Conference on Environment & Development, Rio de Janeiro, 1992.
- c) World Summit on Sustainable Development, Johannesburg, 2002.
- d) UN Climate Change Conference, Copenhagen, 2009.

32. Consider the following which can be found in the ambient atmosphere :

- i) Soot ii) Water vapour iii) Sulphur hexafluoride.

Which of the above contribute to the warming up of the atmosphere? :

Codes :

- (a) i & ii (b) ii only (c) ii & iii (d) All of these.

33. 'Bio Carbon Fund Initiative for Sustainable Forest Landscape' is managed by the :

- a) Asian Development Bank b) International Monetary Fund
- c) United Nations Environment Programme d) World Bank.

34. The 'Red Data Books' published by the International Union for Conservation of Nature & Natural Resources (IUCN) contains lists of :

- i) Endemic plant & animal species present in the biodiversity hotspots.
- ii) Threatened plant & animal species.
- iii) Protected sites for conservation of nature & natural resources in various countries.

Select the correct answer using the codes given below :

Codes :

- (a) i & iii (b) ii only (c) ii & iii (d) iii only.

35. The scientific view is that the increase in global temperature should not exceed 2°C above pre-industrial level. If the global temperature increases beyond 3°C above the pre-industrial level, what can be its possible impact/impacts on the world? :
- Terrestrial biosphere tends toward a net carbon source.
 - Widespread coral mortality will occur.
 - All the global wetlands will permanently disappear.
 - Cultivation of cereals will not be possible anywhere in the world.
- Select the correct answer using the codes given below :**
Codes :
 (a) i only (b) i & ii (c) ii, iii & iv (d) All of these.
36. With reference to 'Global Environment Facility', which of the following is/are correct? :
- It serves as financial mechanism for 'Convention on Biological Diversity' and 'United Nations Framework Convention on Climate Change'.
 - It undertakes scientific research on environmental issues at global level.
 - It is an agency under OECD to facilitate the transfer of technology and funds to underdeveloped countries with specific aim to protect the environment.
 - Both (a) and (b).
37. What is Rio+20 Conference? :
- It is the United Nations Conference on Sustainable Development.
 - It is Ministerial Meeting of the World Trade Organization.
 - It is conference of the Inter-Governmental Panel on Climate Change.
 - It is a conference of the Member Countries of the Convention on Biological Diversity.
38. Proper design & effective implementation of UN-REDD+ Programme can significantly contribute to :
- Protection of biodiversity
 - Resilience of forest ecosystem
 - Poverty reduction.
- Select the correct answer using the codes given below :**
Codes :
 (a) i & ii (b) iii only (c) ii & iii (d) i, ii & iii.
39. What is 'Greenhouse Gas Protocol'? :
- It is an international accounting tool for government and business leaders to understand, quantity & manage greenhouse gas emissions.
 - It is an initiative of the United Nations to offer financial incentive to developing countries to reduce greenhouse gas emissions and to adopt eco-friendly technologies.
 - It is an inter-governmental agreement ratified by all the member countries of the United Nations to reduce greenhouse gas emissions to specified levels by the year 2022.
 - It is one of the multilateral REDD+ initiative hosted by the World Bank.
40. In Indian cities, which among the following atmospheric gases are normally considered in calculating the value of Air Quality Index? :
- Carbon dioxide
 - Carbon monoxide
 - Nitrogen dioxide
 - Sulfur dioxide
 - Methane.
- Codes :**
 (a) i, ii & iii (b) ii, iii & iv (c) i, iv & v (d) All of these.
41. Which among the following represent/s the unique feature/s of 'India : State of Forest Report 2017' that distinguishes it from the previous forest reports in India? :
- New chapter on forest fires.
 - State-wise assessment of carbon stock.
 - Assessment of water bodies in forest cover.
 - Assessment of production of timber outside forest.
- Codes :**
 (a) i only (b) i & iii (c) ii, iii & iv (d) All of these.
42. Which of the following statements is / are correct? :
- India aims at creating additional carbon sink equal to 2.5-3.0 billion tonnes of CO₂ by 2030.

ii) India aims at increasing forest and tree cover to one-third of total land area of India by 2030.

Codes :

(a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.

43. Which among the following is not an outcome of Rio Convention? :

a) UNCCD (b) UN Convention on Biological Diversity
c) UNFCCC (d) None of these.

44. At which of the following places, the headquarters of Green Climate Fund are located? :

a) Paris (b) Copenhagen (c) Cancun (d) Songdo.

45. Arrange the following States of India in ascending order in terms of percentage of forest cover to total geographical area of the State? :

i) Punjab ii) Rajasthan iii) Haryana iv) Gujarat.

Codes :

(a) i, iii, ii, iv (b) ii, iii, iv, i (c) iii, ii, i, iv (d) iii, i, ii, iv.

46. As per India : State of Forest Report 2019, India's total forest cover (including tree cover) in terms of percentage of India's geographical area is :

a) 21.54% (b) 24.39% (c) 24.16% (d) None of these.

47. Consider the following statements :

i) Coral are found across all latitudes worldwide.
ii) Coral reefs are absent in Sundarbans region in Bay of Bengal.

Which of above statements is/are correct? :

Codes :

(a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.

48. Consider the following statements :

i) National ban on tiger hunting was imposed in India in 1972.
ii) Central Zoo Authority, which gives recognition to zoos in India, is an autonomous statutory body.
iii) Great Indian Bustard is a critically endangered species in India.
iv) Wildlife (Protection) Act 1972 prohibits all types of animal trade in India.

Which of the statements given above are correct? Choose your answer from the codes given below :

Codes :

(a) i, ii, iii & iv (b) ii, iii & iv (c) ii & iii (d) i, ii & iii.

49. Read the following information :

Given below are the names of various initiatives for the protection and conservation of various animal species in India (Column I) and the year of their introduction (Column II)

<u>Column I</u>	<u>Column II</u>
A. Project Tiger	1. 1973
B. Project Elephant	2. 1975
C. Project Crocodile	3. 1992
D. Project Rhino Vision 2020	4. 2005

Match correctly and select your answer from the codes given below.

Codes :

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>		<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
(a)	1	2	3	4	(b)	1	3	2	4
(c)	2	3	1	4	(d)	3	2	1	4

50. Which among the following is/are known as sister convention/s of UNFCCC? :

i) UN Convention of Biological Diversity.
ii) UN Convention to Combat Desertification.
iii) Ramsar Convention on Wetlands.

Codes :

(a) i only (b) i & ii (c) ii & iii (d) i, ii & iii.

51. Under the financial mechanism on climate finance of UNFCCC, four special funds are established. Which among the four has been established most recently? :

- a) Special Climate Change Fund b) Least Developed Countries' Fund
c) Green Climate Fund d) Adaptation Fund.

52. Consider the following statements :

- i) Maharashtra is the State with maximum number of road accidents in India.
ii) Government of India aims to reduce road accidents by 50% by 2025.
iii) India is a signatory to Brasilia Declaration - an important document on road safety.
iv) Road safety is one the Sustainable Development Goals (SDGs) of UN.

Which of the statements given above is/are correct? Choose your answer from the codes given below :

Codes :

- (a) i, ii, iii & iv (b) i, ii & iv (c) iii & iv (d) iv only.

53. Consider the following about wastes :

1. Slag from the steel industry can be used by cement industry
2. Fuel made from plastic waste contains lead, which makes it harmful

Select the right code :

- a. 1 only b. 2 only c. Both d. None

54. Find the correct match :

1. Ebony – Tropical rain forest 2. Sal – Tropical deciduous forest
3. Babool – Thorny bushes

Select the right code :

- a. 1 and 2 b. 2 and 3 c. 1 and 3 d. All of them

55. The involvement of community in environmental conservation is emphasised regularly, especially in an ancient country India. In this respect, consider the following about the traditional water saving practices :

1. Kulhs is a canal irrigation system in Himachal Pardesh
2. Khadins is the word popular for water harvesting technique in Tamil Nadu

Select the codes from below :

- a. 1 only b. 2 only c. Both d. None

56. Why does a food chain comprise only three-four trophic levels only?

- a. Most energy gets lost at every trophic level b. There are lesser carnivores
c. Both a and b d. Neither a nor b

57. Consider the following about renewable sources of energy :

1. Ocean-thermal energy makes use of mercury
2. New Zealand and USA are pioneer in harnessing geothermal energy

Select the right code :

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

58. Consider the following statements :

1. Solar Atlas of India is developed by National Institute of Wind Energy.
2. Biomass Atlas of India has been developed by Indian Institute of Science, Bangalore.

Which of the above is/are correct? :

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

59. Consider the following statements :

- i) Uranium is higher in groundwater from aquifers.
ii) Aquifer management is done by Central Ground Water Board.

Which of the above is/are correct? :

- a) i only b) ii only c) Both d) None.

60. Consider the following about invasive species :

- i) More than 50% of the alien species turn invasive.
ii) Fungi does not have invasive species.

Select the right code :

- a) i only b) ii only c) Both i and ii d) Neither i nor ii.

61. **Consider the following about marine pollution :**
i) Honolulu Strategy seeks to tackle pollution in Western Indian Ocean.
ii) Global Partnership on Marine Litter is a programme by United Nations Environment Partnership.
Which of the above is/are correct? :
a) i only b) ii only c) Both d) None.
62. **Consider the following about e-waste in India :**
i) India is second largest producer of e-waste.
ii) Most of the e-waste in India is recycled by informal sector.
iii) Government and private sectors are the largest producer of e-waste.
Which of the above is/are correct?
(a) i and ii (b) iii only (c) ii & iii (d) All of them.
63. **Carbon dioxide is naturally fixed by converting it into :**
i) Glucose ii) Carbonates.
Select the right code :
a) i only b) ii only c) Both d) None.
64. **Consider the following statements about bio gas :**
1. It majority contains methane.
2. The biogas plant works on the aerobic process to form biogas.
Select from the codes below :
a. 1 only b. 2 only c. Both d. None.
65. **Consider the following about the wind energy :**
i) The largest working wind farm of India is near Kanyakumari.
ii) For optimum generation of wind energy, the wind speed should be higher than 50km/h.
iii) A wind plant also utilises storage cells for the backup when there is no wind.
Which of the above are correct?
(a) i only (b) ii and iii only (c) i and iii only (d) All of them.
66. **Consider the following :**
i) Plants as producers utilise only 10% of the available solar energy for photosynthesis.
ii) Primary consumers consume only 10% of the energy from the producers in their own body, and most energy gets lost during digestion.
iii) Human beings in their body have the largest accumulation of pesticides and other chemicals used on producers than any other organism in the food web.
Select the right code from below :
(a) i and ii only (b) ii and iii only (c) iii only (d) ii and iii only.
67. **Disposable clay cups introduced in Indian Railways has been discontinued now for quite sometime. Why have they been discontinued?**
a. They were destroying the fertile soil in their making.
b. They are not hygienic c. Both (a) and (b) d. None of them.
68. **Consider the following statements with respect to Conservation Tillage :**
i) It is a method of soil cultivation and crop management.
ii) It decreases leaching of nutrients in the soil.
iii) It does not leave residue from the previous crops in the field.
Which of the statements given above is / are correct?
(a) iii only (b) ii & iii only (c) i & ii only (d) i, ii & iii.
69. **Which of the following statements is / are correct with regard to Paris Climate Agreement? :**
i) Its long-term goal is to keep the increase in global average temperature to well below 2°C above pre-industrial levels.
ii) The agreement will enter into force from 2020.
iii) USA has announced its withdrawal from the agreement.
Select the correct answer using the code given below :
(a) i only (b) i & iii only (c) ii & iii only (d) i, ii & iii.
70. **Among the algae that inhabit the sea, which is likely to be found in the deepest waters? :**

- a. Red algae
b. Green algae
c. Brown algae
d. None of the above.

71. Which of the following processes can be categorized as part of 'In situ bioremediation'? :
i) Bioventing ii) Biosparging iii) Landforming.
Select the correct answer using the code given below :
(a) i and ii only (b) ii and iii only (c) i & iii only (d) i, ii & iii.
72. With respect to International Maritime Organization (IMO), consider the following statements :
i) It is a specialized agency of United Nation.
ii) Its aim is to improve the safety and security of international shipping and to prevent pollution from ships.
iii) India is not a member country of IMO.
Which of the statements given above is / are correct?
(a) ii only (b) i, ii & iii c) i & ii only d) i only.
73. With reference to ecology, the term 'standing state' refers to :
a. The amount of inorganic nutrients present in the soil at any given time.
b. The time it takes for a seed to germinate.
c. The population of a species in an area.
d. The average life of an organism in its natural habitat.
74. Which of the following statements has describes the term 'Ecotype'? :
a. It is a type of artificial ecosystem that provides an alternative to a species for growth and survival.
b. It is a transition area between two biomes where communities interact.
c. It is a genetically distinct variety within a species, which is adapted to specific environmental conditions.
d. It is a type of ecosystem in which inherent balance is maintained between biotic and abiotic components.
75. The effectiveness of an greenhouse gas molecule will depend on which of the following factors? :
i) Magnitude of the increase in its concentration.
ii) Lifetime in the atmosphere iii) Wavelength of the radiation is absorbs.
Select the correct answer using the code given below :
(a) i and ii only (b) i, ii & iii c) ii only d) i only.
76. With reference to sources of energy, the term 2nd generation biofuel usually refers to the biofuels :
a. Which are made from non-food feedstocks.
b. Which are made from feedstocks used for human consumption.
c. Where algae is used as primary energy source for its production.
d. Which are designed to capture large amounts of carbon, with genetically synthesized microbes.
77. Recently, India became the member of Wassennar Arrangement. Consider the following statements in this regard :
i) It is a group of countries that seek to control export of conventional arms and dual-use goods and technologies.
ii) All the permanent members of UNSC are member of this group.
Which of the statements given above is/are correct? :
(a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.
78. 'They are species that have a disproportionately large effect on their environment relative to their abundance. Such species are important in determining the ability of a large number of other species to persist in the community.' :
The above paragraph describes which of the following type of species?
a. Threatened species b. Indicator species
c. Keystone species d. Flagship species.
79. Consider the following international agreements :

- i) Vienna Convention ii) Bonn Convention iii) World Heritage Convention.
Which of the above has / have a bearing on climate and air quality? :
(a) i and ii only (b) i only (c) ii and iii only (d) i and iii only.

80. Which of the following is / are the cause(s) of climate change? :

- i) Changes in solar output ii) Cyclical changes in Earth's orbit and tilt.
iii) Volcanism.

Select the correct answer using the code given below :

- (a) i only (b) ii only (c) i and ii only (d) i, ii and iii.

81. Which of the following ecological factors is / are responsible for Coral Bleaching? :

- i) Overexposure to high solar irradiance ii) Extreme low tides.
iii) Increase in ocean temperature.

Select the correct answer using the code given below :

- (a) i and ii only (b) i, ii and iii (c) ii and iii only (d) i and iii only.

82. Which of the following type of aquatic organism is not correctly matched with its definition? :

- i) Plankton - Microscopic plants and animals.
ii) Nekton - Animals which can swim.
iii) Neuston - Organisms found on the bottom of the water body.
iv) Benthos - Floating organisms inhabiting the surface layer.

Select the correct answer using the code given below :

- (a) i and ii only (b) iii & iv only (c) i, ii & iv only (d) i, ii, iii and iv.

83. Which of the following correctly explains the role of lichens in primary succession on rocks? :

- a. They secrete acids to dissolve rock, helping in weathering and soil formation.
b. They eat up the rock particles to create a barren land.
c. They increase the temperature of rock leading to its expansion and destruction.
d. Lichens combine with algae to start the succession process.

84. Which of the following correctly explains the stability for a biological community? :

- i) It should show large variation in productivity from year to year.
ii) It must be either resistant or resilient to occasional disturbances.
iii) It must be resistant to invasions by alien species.

Select the correct answer using the code given below :

- (a) i and ii only (b) ii and iii only (c) i and iii only (d) i, ii and iii.

85. In the context of ozone depletion, consider the following statements :

- i) The atmospheric levels of key Ozone Depleting Substances (ODS) have been continuously increasing over the last decade.
ii) India has completely phased-out production and consumption of Chlorofluorocarbons (CFCs).

Which of the statements given above is/are correct? :

- (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.

86. Which of the following international conventions deal with the management of hazardous substances? :

- i) Basel Convention ii) Cartagena Protocol iii) Stockholm Convention.

Select the correct answer using the code given below :

- (a) i and ii only (b) i and iii only (c) ii and iii only (d) i, ii and iii.

87. The tendency to increase variety and density of some organisms at the community border is known as :

- a. Ecotone b. Ecotope c. Edge Effect d. Niche.

88. Consider the following statements :

- i) A lotic ecosystem is a fresh water ecosystem which includes lakes, ponds, marshes or swamps.
ii) All lentic ecosystems are seasonal and last only for a few months.

Which of the statements given above is/are correct? :

- (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.

89. **With reference to the BioCarbon Fund, consider the following statements :**
 i) It supports projects that generate financial returns from the sale of emission reductions.
 ii) It is managed by the World Bank.
Which of the statements given above is/are correct? :
 (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.
90. **With reference to 'Clean Development Mechanism' (CDM) of Kyoto protocol, which of the following statements is / are correct? :**
 i) Through CDM, Annex-B countries can invest in emission-reduction projects in developing countries.
 ii) It is the main source of income for the UNFCCC Adaptation fund.
Select the correct answer using the code given below :
 (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.
91. **Which among the following are forms of secondary pollution? :**
 i) Smog ii) Ground Level Ozone iii) Acid Rain.
Select the correct answer using the code given below :
 (a) i and ii only (b) ii and iii only (c) i and iii only (d) i, ii and iii.
92. **With regard to the recently launched scheme for the protection of Majuli Island by the Union Government, consider the following statements :**
 i) Its main objective is to protect Majuli Island in Assam from flood and erosion by river Brahmaputra.
 ii) The scheme has been framed by Brahmaputra Board for the protection of Majuli Island.
Which of the statements given above is/are correct? :
 (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.
93. **Graded Response Action Plan (GRAP) was recently seen in news in the context of :**
 a. Military doctrine b. Fiscal stimulus
 c. Air pollution d. Trade imbalance.
94. **Which of the following statements is/are correct with respect to National Afforestation Programme? :**
 i) It is a flagship afforestation scheme under National Mission for a Green India.
 ii) It aims to develop the forest resources with people's participation.
 iii) The village is reckoned as a unit of planning and implementation.
Select the correct answer using the code given below :
 (a) i only (b) iii only (c) ii and iii only (d) i, ii and iii.
95. **With reference to the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) , consider the following statements :**
 i) It is a statutory Committee of the Ministry of Environment, Forest and Climate Change.
 ii) It registers establishments conducting animal experimentation or breeding of animals for this purpose.
Which of the statements given above is/are correct? :
 (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.
96. **With reference to Bio-CNG, consider the following statements :**
 i) It is a purified form of biogas having less than 50% methane gas.
 ii) It is a renewable source of energy.
Which of the statements given above is/are correct? :
 (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.
97. **Which of the following pollutants are emitted by crop stubble burning? :**
 i) Methane ii) Sulphur Dioxide iii) Carbon Monoxide
 iv) Nitrous Oxide v) Ozone.
Codes :
 (a) i, ii, iii & iv only (b) ii, iii & v only (c) iii & iv only (d) i, ii & v only.
98. **In absence of ozone layer which among the following would happen? :**

- i) A large number of land animals would become blind.
- ii) Productivity of ocean would decrease.
- iii) Concentration of carbon dioxide would increase.

Select the correct answer using the code given below :

- (a) i and ii only (b) i, ii and iii (c) iii only (d) None.

99. With reference to Zoological Survey of India (ZSI), consider the following statements :

- i) It undertakes survey, exploration and research on rich faunal diversity of the country.
- ii) It is headquartered at Delhi.
- iii) It supports enforcement of Wildlife (Protection) Act, 1972.

Which of the statements given above are correct? :

- (a) i and ii only (b) i and iii only (c) ii and iii only (d) i, ii and iii.

100. With reference to technologies for solar power production, consider the following statements :

- i) To produce electricity, 'Photovoltaics' uses semiconductors while Solar thermal systems use mirrors or lenses.
- ii) Photovoltaics work even with diffused radiation while solar thermal systems generally need large amount of direct solar radiation.

Which of the statements given above is/are correct? :

- (a) i only (b) ii only (c) Both i & ii (d) Neither i nor ii.

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