

ENVIRONMENT UPSC PRE 2022

1. Among the following crops, which one is the most important anthropogenic source of both methane and nitrous oxide ?

(a) Cotton (b) Rice (c) Sugarcane (d) Wheat

ANS-B

2. "System of Rice Intensification" of cultivation, in which alternate wetting and drying of rice fields is practised, results in :

1. Reduced seed requirement
2. Reduced methane production
3. Reduced electricity consumption

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

ANS-D

3. "Climate Action Tracker, which monitors the emission reduction pledges of different countries is a:

- (a) Database created by coalition of research organisations
- (b) Wing of "International Panel of Climate Change"
- (c) Committee under "United Nations Framework Convention on Climate Change"
- (d) Agency promoted and financed by United Nations Environment Programme and World Bank

ANS-A

4. Consider the following statements :

1. "The Climate Group" is an international non - profit organization that drives climate action by building large networks and runs them.
2. The International Energy Agency in partnership with the Climate Group launched a global initiative "EP100".
3. EP100 brings together leading companies committed to driving innovation in energy efficiency and increasing competitiveness while delivering on emission reduction goals.
4. Some Indian companies are members of EP100.
5. The International Energy Agency is the Secretariat to the "Under2 Coalition".

Which of the statements given above are correct?

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

ANS-B

5. "If rainforests and tropical forests are the lungs of the Earth, then surely wetlands function as its kidneys." Which one of the following functions of wetlands best reflects the above statement?

- (a) The water cycle in wetlands involves surface runoff, subsoil percolation and evaporation.
- (b) Algae form the nutrient base upon which fish, crustaceans, molluscs, birds, reptiles and mammals thrive.
- (c) Wetlands play a vital role in maintaining sedimentation balance and soil stabilization.
- (d) Aquatic plants absorb heavy metals and excess nutrients.

ANS-D

6. In the context of WHO Air Quality Guidelines, consider the following statements :

- 1. The 24-hour mean of PM 2.5 should not exceed $15 \mu\text{g}/\text{m}^3$ and annual mean of PM2.5 should not exceed $5 \mu\text{g}/\text{m}^3$.
- 2. In a year, the highest levels of ozone pollution occur during the periods of inclement weather.
- 3. PM10 can penetrate the lung barrier and enter the bloodstream
- 4. Excessive ozone in the air can trigger asthma.

Which of the statements given above are correct ?

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

ANS-B

7. With reference to polythylene terephthalate, the use of which is so widespread in our daily lives, consider the following statements:

- 1. Its fibres can be blended with wool and cotton fibres to reinforce their properties.
- 2. Containers made of it can be used to store any alcoholic beverage.
- 3. Bottle made of it can be recycled into other products.
- 4. Articles made of it can be easily disposed of by incineration without causing greenhouse gas emissions.

Which of the statements given above are correct?

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

ANS-A

8. Which of the following is not a bird?

- (a) Golden Mahseer
- (b) Indian Nightjar
- (c) Spoonbill
- (d) White Ibis

ANS-A

9. Which of the following are nitrogen-fixing plants?

- 1. Alfalfa
- 2. Amarnath
- 3. Chickpea
- 4. Clover
- 5. Purslane (Kulfa)

6. Spinach

Select the correct answer using the code given below:

- (a) 1, 3 and 4 only
- (b) 1, 3, 5 and 6 only
- (c) 2, 4, 5 and 6 only
- (d) 1, 2, 4, 5 and 6

ANS-A

10. Which one of the following has been constituted under the Environment (Protection) Act, 1986?

- (a) Central Water Commission
- (b) Central Ground Water Board
- (c) Central Ground Water Authority
- (d) National Water Development Agency

ANS-C

11. Which one of the following statements best describes the 'Polar Code'?

- (a) It is the international code of safety for ships operating in polar waters.
- (b) It is the agreement of the countries around the North Pole regarding the demarcation of their territories in the polar region.
- (c) It is a set of norms to be followed by the countries whose scientists undertake research studies in the North Pole and South Pole.
- (d) It is a trade and security agreement of the member countries of the Arctic Council

ANS-A

12. With reference to Indian laws about wildlife protection, consider the following statements:

1. Wild animals are the sole property of the government.
2. When a wild animal is declared protected, such animal is entitled for equal protection whether it is found in protected areas or outside.
3. Apprehension of a protected wild animal becoming a danger to human life is sufficient ground for its capture or killing. Which of the statements given above is/are correct?

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

ANS-A

13. Certain species of which one of the following organisms are well known as cultivators of fungi?

- (a) Ant (b) Cockroach (c) Crab (d) Spider

ANS-A

14. Consider the following:

1. Carbon monoxide
2. Nitrogen oxide
3. Ozone
4. Sulphur dioxide Excess of

which of the above in the environment is/are cause(s) of acid rain?

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

ANS-B