

TARGET PRELIMS- 2019

TEST- 16

1. Recently, “Pokkali Paddy” was in news. In this context, consider the following statements with respect to Pokkali Paddy:

1. This GI-Tagged paddy is a single-season and saltwater-tolerant paddy.
2. Pokkali cultivation is a traditional indigenous method of rice-fish rotational farming practiced in the coastal belts.
3. It is endemic to the coastal belts of Kerala and Karnataka.

Which of the statement(s) given above is/are correct?

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

2. Acid rain is caused by pollution of environment by

- (a) Carbon dioxide and nitrogen
- (b) Carbon monoxide and carbon dioxide
- (c) Ozone and carbon dioxide
- (d) Nitrous oxide and Sulphur dioxide

3. Which of the following statements about Hydrogen Fuel cell is/are correct?

1. Water and steam are the byproducts in the Hydrogen fuel cell.
2. Fuel cells are climate friendly as they don't directly emit carbon dioxide or particulate matter

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

4. Which one of the following plants is effective in reducing water pollution and is also useful for producing biogas?

- (a) Eucalyptus
- (b) Water hyacinth
- (c) Salvinia
- (d) Lotus

5. Consider the following statements about sound pollution:

1. Supreme Court recently banned the use of series fire crackers/laris as they cause severe noise pollution in addition to excess of solid waste.
2. An area of 100 meters around hospitals, educational institutions is designated as “Silence Zones”.
3. Increased levels of noise pollution results in release of stress hormones like CRH (Corticotropin releasing hormone).

Select the correct statements 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

6. If water pollution continues at its present rate, it will eventually

- (a) stop water cycle
- (b) prevent precipitation
- (c) make oxygen molecules unavailable to water plants
- (d) make nitrate unavailable to water plants

7. Consider the following statements about Air Pollution in India:

1. The “Bharat Stage” norms are expected to reduce the sulphur content in the fuel.
2. India targets to achieve the BS- V norms by April 2019 and BS – VI norms by April 2020.
3. Currently, stubble burning which is one of the cause for air – pollution in India is nonpunishable.

Which among the following statement(s) is/are correct?

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

8. The most common substance responsible for pollution is

- (a) Smoke
- (b) Carbon dioxide
- (c) Sulphur dioxide
- (d) Carbon monoxide

9. “A Bio fuel is any hydrocarbon fuel that is produced from organic matter in a short period of time unlike Fossil fuels” with regards to preparation of bio fuels and material usage across the generations to prepare bio fuel, which of the following is/are correct?

1. First Generation Bio fuels used non-food crops and feedstock instead of food crops as used in second generation.
2. Third generation Bio fuels use specially engineered Algae whose bio mass is used to convert into bio fuels.

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

10. Methane (CH₄) is one of the six greenhouse gases under the Kyoto protocol. Which of the following is/are sources of methane?

1. Combustion of fossil fuels
2. Wetlands
3. Automobiles.

4. Livestock farming.
5. Agricultural practices

Select the correct answer using the codes given below:

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

11. Which of the following can be used as a bio fuel?

1. Ethanol
2. Bagasse
3. Jatropha
4. Pongamia

Select the answer using the code given below:

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

12. Biodiversity forms the basis for human existence in the following ways:

1. Soil formation
2. Prevention of soil erosion
3. Recycling of waste
4. Pollination of crops

Select the correct answer using the codes given below:

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

13. Consider the following statements with respect to RUCO (Repurpose Used Cooking Oil) initiative:

1. It has been launched with an aim to enable collection and conversion of used cooking oil to bio-diesel.
2. The initiative was launched by 'Ministry of New and Renewable Energy'.

Which of the statement(s) given above is/are correct?

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

14. Which among the following statements regarding heating of the atmosphere is correct?

- (a) Increase in GHGs in atmosphere reduces the amount of water vapor in the atmosphere.
- (b) Black Carbon stays in the atmosphere for shorter periods of time ranging from few days to weeks.

- (c) As an immediate effect of the ash and soot emissions from large volcanoes, the atmosphere heats up.
(d) Light aerosols produced from high – sulphur coal exhausts heats up the atmosphere.

15. Which of the following is/are correct with regards to “Eutrophication”?

1. Eutrophication refers to the addition of artificial or non artificial substances, such as nitrates and phosphates, through fertilizers or sewage, to a fresh water system
2. Eutrophication causes several, chemical and biological changes, which considerably deteriorate the water quality
3. Checking water pollution is the ultimate solution to Eutrophication

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

16. Which one of the following terms describes not only the physical space occupied by an organism, but also its functional role in the community of organisms?

- (a) Ecotone
(b) Ecological niche
(c) Habitat
(d) Home range

17. Consider the following statements about blue – green algae:

1. Blue – green algae is also called Cyanobacteria and belongs to prokaryotes.
2. They thrive in deep and slow – moving or still water.
3. Hepatotoxins produced by the blue-green algal bloom in drinking water causes the liver cells to damage.

Select the correct statements 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

18. Consider the following organisms:

1. Agaricus
2. Nostoc
3. Spirogyra

Which of the above is/are used as biofertilizer/biofertilizers?

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

19. Which of the following statements are correct with respect to MoEFCC’s recently released ‘National REDD+ strategy for India’?

1. The strategy has been prepared by Indian Council of Forestry Research & Education (ICFRE).
2. It aims at achieve climate change mitigation by incentivizing forest conservation.
3. Under it, Green Skill Development programme will be launched for imparting forestry-related specialised skills among the youth.

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

20. Consider the following statements about fluoride water contamination:

1. Even trace amount of fluoride in body can be very harmful for bones, teeth of humans
2. Central Ground Water Authority determines the standard for permissible fluoride levels in water.

Which of the following statement(s) is/are correct?

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

21. Improper handling and storage of cereal grains and oilseeds result in the production of toxins known as aflatoxins which are not generally destroyed by normal cooking process. Aflatoxins are produced by

- (a) Bacteria
- (b) Protozoa
- (c) Moulds
- (d) Viruses

22. Consider the statements with regard to Energy Conservation and Building Code (ECBC), 2017.

1. It prescribes the energy performance standards for all new and old commercial buildings of India.
2. To be considered ECBC- compliant building needs to demonstrate minimum energy savings of 25%.

Which of the above statements are correct?

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

23. Which of the following can be found as pollutants in the drinking water in some parts of India?

1. Arsenic
2. Sorbitol
3. Fluoride

- 4. Formaldehyde
- 5. Uranium

Select the correct answer using the codes given below.

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

24. Consider the following statements :

- 1. Animal Welfare Board of India is established under the Environment (Protection) Act, 1986.
- 2. National Tiger Conservation Authority is a statutory body.
- 3. National Ganga River Basin Authority is chaired by the Prime Minister.

Which of the statements given above is/are correct ?

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

25. With reference to 'Eco-Sensitive Zones', which of the following statements is/are correct ?

- 1. Eco-Sensitive Zones are the areas that are declared under the Wildlife (Protection) Act, 1972.
- 2. The purpose of the declaration of Eco Sensitive Zones is to prohibit all kinds of human activities in those zones except agriculture.

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