

Select the correct option using the codes given below:

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

13. Consider the following statements regarding Greenhouse Gases (GHG):

1. Water Vapour is not among the six GHG covered by the Kyoto Protocol.
2. Methane has less Global Warming Potential (GWP) than Carbon Dioxide.
3. Fluorinated gases have the least GWP among all gases.

Select the correct option using the codes given below:

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

14. Consider the following statements:

1. Phosphorus is responsible for excessive growth of rooted and free-floating microscopic plants in water bodies.
2. Chlorofluorocarbons play a major role in eutrophication of lakes.

Which of the above statements is/are correct?

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

15. Which of the following compounds are responsible for the ozone depletion?

1. Hydrofluorocarbons
2. Hydro-chlorofluorocarbons
3. Ammonia
4. Methyl bromide

Select the correct answer using the code given below:

- (a) 1 and 4 only
- (b) 2 and 4 only
- (c) 1, 2 and 4 only
- (d) All of the above.

16. Consider the following statements regarding polar stratospheric clouds:

1. They are more intense at the North pole because of polar vortex in winter.
2. They prevent the spread of the ozone hole.

Which of the above statements is/are correct?

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

17. Consider the following statements regarding the effects of Ozone depletion:

1. The productivity of phytoplanktons increases because they get more sunlight after ozone depletion.
2. Ozone depletion can result in skin cancer and eye damage.
3. Ozone depletion has no impact on biogeochemical cycles like the carbon cycle.

Select the correct option using the codes given below:

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

18. Consider the following statements regarding carbon sequestration:

1. Carbon Disclosure Project aims to assess the levels of carbon sequestration required to meet global targets under the Paris Agreement.
2. Tropical rainforests have highest carbon sequestration rate among all the ecosystems.

Which of the above statements is/are correct?

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

19. Consider the following statements regarding carbon credit:

1. Carbon credit is a mechanism for carbon offsetting.