



**Q.1)** Consider the following statements about Greenhouse Gases.

1. Greenhouse gases occur naturally and are essential to the survival of humans and millions of other living things.
2. The concentration of GHGs in the earth's atmosphere is directly linked to the average global temperature on Earth.
3. The most abundant GHG which accounts for about two-thirds of GHGs is carbon dioxide and is largely the product of volcanoes.

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

- a) 1 and 2 only
- b) 2 and 3 only
- c) 2 only
- d) All of the above

**Q.2)** Which of the following phenomenon are associated with the climate change?

1. Less predictable weather pattern
2. Damaging of the coastlines
3. Benign weather events
4. Sea level rise

Choose the correct answer using the code given below.

- a) 1, 2, and 4 only
- b) 3 and 4 only
- c) 1, 3 and 4 only
- d) All of the above

**Q.3)** Consider the following statements.

1. A greenhouse is a structure whose roof and walls are made chiefly of translucent material in which plants requiring regulated climatic conditions are grown.
2. Glass and other materials used for greenhouse walls do not transmit infrared radiation.

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

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

**Q.4)** With reference to Carbon Monoxide, consider the following statements.

1. Carbon monoxide is a short-lived greenhouse gas and it is more denser than air.
2. It has a direct radiative forcing effect by elevating concentrations of methane and tropospheric ozone through chemical reactions.

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

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

**Q.5)** With reference to fluorinated gases, consider the following statements.

1. ChlorofluoroCarbons were phased out via the Montreal Protocol due to their part in ozone depletion.
2. Hydro fluorocarbons were developed as a replacement for chlorofluorocarbons and are potent greenhouse gases with short atmospheric lifetimes.
3. Sulphur hexafluoride is used in magnesium processing and semiconductor manufacturing.

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

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All of the above

**Q.6)** Consider the following statements about Green House Gas Protocol.

1. It is an international accounting tool for government and business leaders to understand, quantify and manage greenhouse gas emissions