

# Chapter 14

## Environmental Chemistry

- Which of the following is a sink for CO?
  - Microorganisms present in the soil
  - Oceans
  - Plants
  - Haemoglobin *(NEET 2017)*
- Which one of the following is not a common component of Photochemical smog?
  - Ozone
  - Acrolein
  - Peroxyacetyl nitrate
  - Chlorofluorocarbons *(2014)*
- Which one of the following statements is not true?
  - Clean water would have a BOD value of 5 ppm.
  - Fluoride deficiency in drinking water is harmful. Soluble fluoride is often used to bring its concentration upto 1 ppm.
  - When the pH of rain water is higher than 6.5, it is called acid rain.
  - Dissolved Oxygen (DO) in cold water can reach a concentration upto 10 ppm. *(Karnataka NEET 2013)*
- Which one of the following statements regarding photochemical smog is not correct?
  - Carbon monoxide does not play any role in photochemical smog formation.
  - Photochemical smog is an oxidising agent in character.
  - Photochemical smog is formed through photochemical reaction involving solar energy.
  - Photochemical smog does not cause irritation in eyes and throat. *(2012)*
- Which one of the following statement is not true?
  - pH of drinking water should be between 5.5 – 9.5
  - Concentration of DO below 6 ppm is good for the growth of fish.
  - Clean water would have a BOD value of less than 5 ppm.
  - Oxides of sulphur, nitrogen and carbon, are the most widespread air pollutant. *(2011)*
- Green chemistry means such reactions which
  - are related to the depletion of ozone layer
  - study the reactions in plants
  - produce colour during reactions
  - reduce the use and production of hazardous chemicals *(2008)*
- Which one of the following is responsible for depletion of the ozone layer in the upper strata of the atmosphere?
  - Polyhalogens
  - Ferrocene
  - Fullerenes
  - Freons

### Answer Key

1. (a, d) 2. (d) 3. (c) 4. (d) 5. (b) 6. (d) 7. (d)