

## DPP

DAILY PRACTICE PROBLEMS

**Class : XI<sup>th</sup>**

**Date :**

**Subject : CHEMISTRY**

**DPP No. : 2**

### Topic :- Environmental Chemistry

- The oxygen present today in atmosphere:
  - Is a plant product
  - Came from ozone
  - Was present in the beginning
  - Produced by carbon dioxide
- Ozone in stratosphere is depleted by
  - $\text{CF}_2\text{Cl}_2$
  - $\text{C}_7\text{F}_{16}$
  - $\text{C}_6\text{H}_6\text{Cl}_6$
  - $\text{C}_6\text{F}_6$
- As it passes into food chain, the concentration of DDT
  - Remains same
  - Decreases
  - Increases
  - Unpredictable
- Which of the following statements about polar stratospheric clouds (PSCs) is not correct?
  - Type I clouds are formed at about  $-77^\circ\text{C}$  and contain solid  $\text{HNO}_3 \cdot 3\text{H}_2\text{O}$
  - Type II clouds are formed at about  $-85^\circ\text{C}$  and contain some ice
  - A tight whirlpool of wind called polar vortex is formed which surrounds Antarctica
  - PSCs do not react with chlorine nitrate and HCl
- In Antarctica ozone depletion is due to the formation of following compound
  - acrolein
  - Peroxyacetyl nitrate
  - $\text{SO}_2$  and  $\text{SO}_3$
  - Chlorine nitrate
- In the upper layer of the atmosphere, ozone is formed by the:
  - Action of UV rays on oxygen
  - Combination of oxygen molecules
  - Action of electric discharge of oxygen molecules
  - Effect of high pressures on oxygen
- Chief source of water and soil pollution is
  - Mining
  - Thermal power plant
  - Agro-industry
  - All of these
- Air pollution from the leakage of methyl isocyanate gas from the Union carbide factory in Bhopal caused a major tragedy on:
  - Dec. 2, 1984
  - Dec. 15, 1983
  - Dec. 10, 1982
  - Dec. 4, 1988
- The term acid rain was coined by
  - Robert Boyle
  - Robert Augus
  - Alfred Nobel
  - Havoisier
- The lowest layer of earth's atmosphere is
  - Troposphere
  - Mesosphere
  - Stratosphere
  - Ionsphere
- .....plant emits large amount of  $\text{SO}_2$  as an air pollutant.
  - Nitric acid
  - Sulphuric acid
  - Chloroalkali
  - Iron and steel
- 'Los Angeles' smog is
  - Sulphurous smog
  - Photochemical smog
  - Industrial smog
  - All of these
- Solar ultraviolet radiation is absorbed by:
  - Exosphere
  - Ionosphere
  - Ozonosphere
  - Stratosphere
- The concentration of salts in soil is increased by



- a) Canal water  
c) Excessive use of fungicides
15. In which part of the atmosphere, ozone layer is present?  
a) Stratosphere      b) Troposphere      c) Mesosphere      d) Thermosphere
16. Persons working in cement plants and limestone quarries are more prone to disease like:  
a) Cancer      b) Asthma      c) Silicosis      d) Pneumoconiosis
17. Many people died in London in 1952 as a result of air pollution producing.....  
a) Mist      b) Fog      c) Smog      d) Sleet
18. The total amount of oxygen (in ppm), consumed by a pollutant in a water sample is termed as  
a) Dissolved oxygen (DO)      b) Biochemical oxygen demand (BOD)  
c) Chemical oxygen demand (COD)      d) None of the above
19. Ozone layer is present in  
a) Troposphere      b) Stratosphere      c) Mesosphere      d) Exosphere
20. Addition of phosphate fertilizers into water leads to  
a) Increased growth of decomposers      b) Reduced algal growth  
c) Increased algal growth      d) Eutrophication

