



Time : 1 Hour 15 Minute

STD 11 Science Chemistry  
Chapter Based Test

Total Marks : 40

**SECTION A****\* Choose The Right Answer From The Given Options.[1 Marks Each] [5]**

- Height of Stratosphere above earth's surface in (Km) is:  
(A) 0 - 10                      (B) 10 - 50                      (C) 50 - 85                      (D) 85 - 100
- Which one is not dangerous for life and atmosphere?  
(A) Biopollutants.                      (B) Ozone layer.  
(C) Nuclear blast.                      (D) Deforestation.
- Peak concentration of ozone occurs in the atmosphere above a height of:  
(A) 10km                      (B) 15km                      (C) 17km                      (D) 25km
- In Antartica, Ozone depletion is due to formation of the following compound:  
(A) Acrolein.                      (B) Peroxy acetyl nitrate.  
(C) HCHO.                      (D) Chlorine nitrate.
- Oxidising smog includes:  
(A) Normal smog.                      (B) Photochemical smog.  
(C) Classical smog.                      (D) Both (a) and (b).

**\* Answer The Following Questions In One Sentence.[1 Marks Each] [6]**

- Explain giving reasons "The presence of CO reduces the amount of haemoglobin available in the blood for carrying oxygen to the body cells."
- What do you mean by sink? Give one example.
  - What is the sink for hydrocarbons and why?
- What is greenhouse effect?
- What are biodegradable and non biodegradable pollutants? Give an example of each.
- Why is hand pump water not considered as drinking water in these days? Explain.
- Why does rain water normally have a pH of 5.6? When does it become acid rain?

**SECTION B****\* Given Section consists of questions of 2 marks each. [10]**

- Dissolved oxygen in water is very important for aquatic life. What processes are responsible for the reduction of dissolved oxygen in water?
- A person was using water supplied by Municipality. Due to shortage of water he started using underground water. He felt laxative effect. What could be the cause?

3.
  - i. What do you mean by sink? Give one example.
  - ii. What is the sink for hydrocarbons and why?
4. What is the importance of measuring BOD of a water body?
5. What are polar stratospheric clouds (PSCs)?

**SECTION C**

**\* Given Section consists of questions of 3 marks each.**

**[9]**

1. Define environmental chemistry.
2.
  - i. Write two toxic effects of mercury contamination.
  - ii. Why does sea level rise due to global warming?
3. What are the sources of dissolved oxygen in water?

**SECTION E**

**\* Given Section consists of questions of 5 marks each.**

**[10]**

1. List gases which are responsible for greenhouse effect.
2. Explain tropospheric pollution in 100 words.

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