UNIT- 15 – ENVIRONMENTAL CHEMISTRY

I. Answer in brief (2/3 marks)

1. Dissolved oxygen in water is responsible for aquatic life. What processes are responsible for the reduction in dissolved oxygen in water?
2. What would happen, if the greenhouse gases were totally missing in the earth's atmosphere?
3. Define smog.
4. Which is considered to be earth's protective umbrella? Why?
5. What are degradable and non - degradable pollutants?
6. From where does ozone come in the photo chemical smog?
7. A person was using water supplied by corporation. Due to shortage of water he started using underground water. He felt laxative effect. What could be the cause?
8. What is green chemistry?

II. Answer in a paragraph (5 marks)

1. Explain how does greenhouse effect cause global warming.
2. Mention the standards prescribed by BIS for quality of drinking water.
3. How does classical smog differ from photochemical smog?
4. What are particulate pollutants? Explain any three.
5. On the basis of chemical reactions involved, explain how do CFC's cause depletion of ozone layer in stratosphere?
6. How is acid rain formed? Explain its effect.
7. Differentiate the following
   i. BOD and COD
   ii. Viable and non-viable particulate pollutants
8. Explain how oxygen deficiency is caused by carbon monoxide in our blood? Give its effect
9. What are the various methods you suggest to protect our environment from pollution?