

Name: _____						
<b>Subject:</b> Chemistry		<b>Class:</b> 10 <sup>th</sup>		<b>Time:</b> 60 minutes		
<b>Chapter No.</b>		<b>MJDexpert.com</b>			<b>Total Marks:</b>	<b>30</b>
					Obtained marks	

**Note:** Please attempt any 7 short questions from Question 2. Also, attempt both parts (a and b) of Question 3. "a" Part is 5 marks and "b" is 4 marks. Cutting and removal of any content is strictly prohibited.

### Objective-Section

**Q. 1 Encircle the correct Answer . (7x1=7)**

**1. What is the main cause of depletion of the Ozone Layer?**

- a) Chlorofluorocarbons (CFCs)      b) Carbon dioxide (CO<sub>2</sub>)  
c) Methane (CH<sub>4</sub>)                      d) Nitrous oxide (N<sub>2</sub>O)

**2. Which gas is responsible for the Greenhouse Effect?**

- a) Oxygen (O<sub>2</sub>)    b) Nitrogen (N<sub>2</sub>)    c) Carbon dioxide (CO<sub>2</sub>)    d) nitrogen

**3. What is the term for the increase in Earth's average temperature due to human activities?**

- a) Global Cooling    b) Global Warming    c) Climate Change    d) Ozone Depletion

**4. What is the main effect of Global Warming on polar regions?**

- a) Melting of ice caps                      b) Formation of new glaciers  
c) Increase in sea levels                  d) Decrease in temperature

**5. Which of the following is an effect of Global Warming on ecosystems?**

- a) Increase in biodiversity                  b) Decrease in extinction rates  
c) Changes in species distribution        d) No effect on ecosystems

**6. What is the pH level of normal rainwater?**

- A) 5.6      B) 7      C) 8.4      D) 9.2

**7. How does acid rain affect soil quality?**

- A) Increases nutrient availability                  B) Decreases nutrient availability  
C) Has no effect    D) Increases water retention

### Subjective-Section

**Q.2 Write short answers of any eight (8) of the following questions: (7x2=14)**

- I. What is the Ozone Layer, and why is it important?
- II. Explain the Greenhouse Effect.
- III. Define atmosphere and write down the composition of dry air.
- IV. What is the difference between primary pollutants and secondary pollutants.
- V. How acid rain formed?
- VI. What is ozone layer and ozone hole.
- VII. Explain the sources of oxides of nitrogen.
- VIII. Why temperature of upper stratosphere is higher?

**Q.No.3 Long Question: (5+4=9)**

- a) Explain the effects of acid rain.
- b) Define global warming and explain the effects of global warming.