



**University of Engineering & Management, Kolkata**

**Term - I Examination, August - September, 2021**

**Programme Name: B. Tech in Computer Science**

**Semester: 5th**

**Course Name: Environmental Sciences**

**Course Code: MC501**

**Full Marks:100**

**Time: 3 hours**

**GROUP A (20 Marks)**

**Answer the following questions. Each question is of 2 marks.**

- 1.i) Define air pollution
- ii) Define secondary pollutants
- iii) Which of our organs is mostly effected by air pollution and why?
- iv) Define saturated adiabatic lapse rate
- v) What do you mean by pollutants?
- vi) Define Turbidity.
- vii) Define Aquifer.
- viii) What do you mean by pollutants?
- ix) Name two diseases that are caused by air pollution.
- x) Define smog.

**GROUP B (30 Marks)**

**Answer the following questions. Each question is of 5 marks.**

2. Distinguish between sulphurous smog and nitrogenous smog.
3. Discuss in detail the Catalytic Converter
4. How global warming can be controlled?
5. How CFC can cause ozone hole?  
Or  
What are the adverse effects of ozone hole formation?
6. What are the effects of acid rain?.  
Or  
Discuss different types of aquifers.
7. Write a short note on disinfection using chlorine.  
Or  
What is activated Sludge process?...explain in details.

### **GROUP C (50 Marks)**

**Answer the following questions. Each question is of 10 marks.**

8. Explain the impact of greenhouse gases on Sea water level.
9. What is the function of Cyclone separator? Explain with a simple diagram.
10. Explain how to reduce water pollution?  
Or  
What are the effects of global warming on aquatic life?
11. Explain water quality parameter in details.  
Or  
What are the differences between ground water and surface water?
12. Explain Eutrophication in details.  
Or  
Explain pesticide pollution and its effects.

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