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**21CHE3G1CL**

Sl. No.

**M.Sc. III Semester Degree Examination, April/May - 2024**

**CHEMISTRY**

**Environmental Chemistry and Waste Management (Open Elective)  
(NEP)**

Time : 1 Hour

Maximum Marks : 30

**Note :** Answer *all* the Sections.

**SECTION - A**

Answer **all** of the following questions. Each question carries **one** mark. **5x1=5**

1. (a) Define pollution and give two examples of sources of water pollution.  
(b) Differentiate between adulteration and contamination.  
(c) Provide examples of two common industrial pollutants.  
(d) Mention two measures that can be implemented to prevent or control soil erosion.  
(e) Differentiate between Fog and Photochemical fog.

**SECTION - B**

Answer **any five** of the following questions. Each question carries **two** marks. **5x2=10**

2. Discuss the importance of quality control in preventing the adulteration of edible oils.
3. Describe the key components of any one pharmaceutical prescription and explain why accurate information is crucial for patient safety.
4. Explain two major causes of soil pollution and their impact on soil quality.
5. Elaborate on the causes and consequences of acid rain.
6. Discuss briefly the importance of ozone layer.
7. Highlight two key roles that forests play in maintaining ecological balance.
8. Explain the role of water reusability in conserving water resources.

P.T.O.

**SECTION - C**

Answer **any three** of the following questions. Each question carries **five** marks.

**3x5=15**

9. Highlight the importance of proper storage conditions for pharmaceutical products and the potential consequences of improper storage.
10. Discuss the challenges in achieving and maintaining potable water standards and suggest sustainable solutions to address water pollution.
11. Discuss the causes and consequences of global warming and propose effective control measures.
12. Investigate the concept of water reusability in the context of sustainable water management.
13. Examine the challenges and strategies associated with the disposal of domestic waste and industrial waste.

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