

Code No. 3114 / E

**FACULTY OF SCIENCE**

**B.Sc. IV-Semester (CBCS) Examination, May / June 2019**

**Subject : Chemistry**

**Paper – IV (SEC – 2) : (Remedial Methods for Pollution, Drinking Water and Soil Fertility Standards)**

**Time : 1½ Hours**

**Max. Marks: 40**

**Note : Answer ALL the questions.**

**PART – A (2 x 5 = 10 Marks)**  
**(Short Answer Type)**

- 1 (a) Write briefly about Greenhouse effect.  
OR  
(b) What is dissolved oxygen? Write its significance.
- 2 (a) What are water softeners? How are they useful in water treatment?  
OR  
(b) What is the effect of Manganese ( $Mn^{2+}$ ) and zinc ( $Zn^{2+}$ ) on plants?

**PART – B (2 x 15 = 30 Marks)**  
**(Essay Answer Type)**

- 3 (a) Explain the sources of water pollution.  
OR  
(b) Write about sources of soil pollution. Explain how to control the soil pollution.
- 4 (a) Explain the primary drinking water standards of inorganics, organics and volatile organic chemicals.  
OR  
(b) Describe the effect of nitrogen, phosphorous and sulphur of plants.

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