

Roll No. : .....

Total No. of Questions : 16 ]

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# **SENV-113**

**M.Sc. (Ist Semester) Examination, 2021**

**ENVIRONMENTAL SCIENCE**

Paper - ES-104

**(Environmental Pollution)**

*Time : 1½ Hours ]*

*[ Maximum Marks : 40*

**Section-A**

**(Marks : 1 × 10 = 10)**

**Note :-** Answer all *ten* questions (Answer limit **50** words). Each question carries  
1 mark.

**Section-B**

**(Marks : 3 × 5 = 15)**

**Note :-** Answer any *five* questions by selecting at least *one* question from each Unit  
(Answer limit **200** words). Each question carries **3** marks.

**Section-C**

**(Marks : 5 × 3 = 15)**

**Note :-** Answer any *three* questions by selecting *one* question from each Unit  
(Answer limit **500** words). Each question carries **5** marks.

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**SENV-113 P.T.O.**

**Section–A**

1 each

1. Attempt all questions. Answers should not exceed **50** words in each question.
  - (i) What are Primary Pollutants ?
  - (ii) What is Smog ?
  - (iii) Write about Algal Bloom.
  - (iv) Write about Microbial Remediation.
  - (v) What are Non-renewable Resources ?
  - (vi) Define the term Xenobiotics.
  - (vii) Write about half-life of Radioactive Substances.
  - (viii) What are the sources of dissolved oxygen in Lakes ?
  - (ix) What do you mean by CPCB (Central Pollution Control Board) ?
  - (x) What is the range of permissible limit of noise level ?

**Section–B**

3 each

**Note** :- Answer *five* questions in about **200** words, by selecting at least *one* question from each Unit.

**Unit–I**

2. What are the natural sources of Air Pollution ?
3. Explain the various impacts of air pollution on Human Health.
4. What is Global Warming ?

**Unit–II**

5. What are the point sources of Water Pollution ?
6. Explain the concept of Coastal Management.
7. Explain the function of Soil Micro-organisms.

### **Unit-III**

8. Describe the characterization of Solid Wastes.
9. Explain the remedial measures to control Noise Pollution.
10. Explain the effects of Thermal Pollution.

### **Section-C**

5 each

*Note* :- Answer *three* questions in this Section, by selecting *one* question from each Unit in about **500** words.

### **Unit-I**

11. Explain the method of monitoring and control of SO<sub>2</sub> and SPM in air.
12. Describe the effects of acid rain on Human Health.

### **Unit-II**

13. Explain the secondary treatment process of sewage in sewage treatment plant.
14. Explain in brief the effects of synthetic fertilizers on Soil Composition.

### **Unit-III**

15. Describe the various processes for disposal of Radioactive Wastes.
16. Explain the impact of large-scale exploitation of Ocean.