

**P-1054**

Total Pages : 3

Roll No. ....

**ES-551**

**Air Pollution and Control Technologies**

M.Sc. Environmental Science (MSCES-19)

2nd Year Examination, 2023 (June)

**Time : 2 Hours]**

**Max. Marks : 70**

**Note :** This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

**SECTION–A**

**(Long Answer Type Questions)**

**Note :** Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. What is ozone layer? Explain ozone layer depletion and its impacts in detail.

2. What do you understand by the air pollution? Explain in detail about the air prevention and control of pollution act, 1981.
3. What is photochemical smog? Discuss the adverse effects of smog on plant in detail.
4. Describe in detail about the vehicular pollution. What are zero emission vehicles? Explain in detail.
5. What is Global Warming? How it impacts on environment? Explain in detail.

## **SECTION-B**

### **(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. How Thermal power plants impacts on environment? Discuss in detail.
2. Give a brief account on environmental protection status in India.
3. Describe in detail about the indoor air pollution and its effects on health.

4. Explain in detail about acid rain and its effects.
  5. What is sound? How it become noise? Describe with suitable example.
  6. Write a brief account on paper industries and its impacts on environment.
  7. What are the impacts of particulate matter on humans and vegetation? Explain in detail.
  8. Write a brief account on Green House Gasses (GHG) in relation climate change.
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