

P-510

Total Pages : 3

Roll No.

ESC-601

Air Pollution and Control Technologies-I

M.Sc. Environmental Science (MSCES)

3rd Semester Examination, 2023 (June)

Time : 2 Hours]

[Max. Marks : 35

Note : This paper is of Thirty Five (35) 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 Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

(2×9½=19)

- 1.** What are various air pollutants emitted by fossil fuel-based power plants? What impacts these pollutants leave on our environment? Discuss.

P-510/ESC-601

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2. How does air pollution affect forests and food crops? Explain linking certain pollutant, effects on vegetation.
3. "Indoor pollution is often neglected. However, its effects on the health of a family are too serious to be neglected. Explain giving reasons and pertinent examples.
4. "Automobiles are becoming havoc for the environment." Discuss how are the pollutants emitted by automobiles affecting life of city dwellers.
5. Write short notes on :
 - (a) Gaussian plume model.
 - (b) Ozone layer depletion.

SECTION-B
(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only. (4×4=16)

1. What is the major cause behind air pollution in the capital of India, especially in the month of November? Describe by citing precise examples.
2. Discuss in brief with suitable examples of the main pollutants emitted during agricultural processes.

3. Which air pollutants are responsible for causing acid rain?
Discuss in brief.
 4. Name some of the diseases caused among human beings exposed to air pollution.
 5. What are the effects of air pollution on historical monuments?
Explain.
 6. Does air pollution also affect aquatic life? If yes, how?
 7. How can air pollution laws help prevent air pollution?
Discuss.
 8. How is air pollution related with global warming? Give brief explanation.
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