

C932

Total Pages : 3

Roll No.

ES-551

Air Pollution and Control Technologies

M.Sc. Environment Science(MSCES-19)

2nd Year Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 80

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. What is air pollution? Discuss in detail about the classification of air pollutants.
2. Describe the principle and working of Electrostatic Precipitator (ESP).

3. Explain the oil refining process and its effects on health in detail.
4. What is sound? When does it become noise pollution? Explain with suitable example.
5. Explain in detail about stratospheric ozone depletion and its impacts on environment.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. What are zero-emission vehicles? Explain in detail.
2. Write a brief account on Temperature Lapse Rate (TLR).
3. What is indoor air pollution? Discuss the sources of indoor air pollution.
4. Discuss in detail about the impacts of particulate matter on human's vegetation and materials.
5. What is global warming? Explain with suitable examples.

6. Discuss in detail about the sources of vehicular pollution.
 7. Explain the advantages and limitations of Gaussian Plume Model in detail.
 8. Write a brief account on the status of environmental protection in India.
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