

C944

Total Pages : 2

Roll No.

ESC-601

Air Pollution and Control Technologies-I

M.Sc. Environmental Science(MSCES-20)

3rd Semester Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 40

Note : This paper is of Forty (40) 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 Ten (10) marks each. Learners are required to answer any Two (02) questions only.

(2×10=20)

1. What do you understand by environmental pollution? How environmental pollution affects human life on earth?
2. Define pollutants. Discuss the various sources of air pollutants with suitable examples. Also discuss about the pollutants released by them.

3. How air pollutants affect different components of an ecosystem? Discuss in detail.
4. Discuss the various air pollution control technologies in detail.
5. Write an extended note on dispersion mechanism of air pollutants.

SECTION-B
(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Five (05) marks each. Learners are required to answer any Four (04) questions only. (4×5=20)

Discuss briefly :

1. Smog and its harmful effects.
2. Effects of oxides of sulphur on humans, plants and materials.
3. Effects of oxides of nitrogen on humans, plants and materials.
4. Particulate matter and its environmental impacts.
5. Secondary air pollutants.
6. Primary air pollutants.
7. Ozone as an air pollutant
8. Indoor air pollution