

S-689

Total Pages : 3

Roll No.

ESC-601

Air Pollution and Control Technologies-I

M.Sc. Environmental Science (MSCES)

3rd Semester Examination, 2022 (Dec.)

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.

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. How is industry a bane for the environment? What are various air pollutants emitted by various industries?

2. What are the various ill effects of air pollution on human beings and cultural assets? Discuss in detail.
3. Explain the Gaussian plume model giving appropriate examples.
4. What are various technological measures to control air pollution? Explain with focus on transport vehicles.
5. Write short notes on :
 - (a) Indoor pollution.
 - (b) Photochemical smog.

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. Distinguish between primary and secondary pollutants.
2. What are the differences between point and non-point sources of pollution? Discuss.
3. Which air pollutants are responsible for damaging ozone layer?

4. Which gases in the air are responsible for the greenhouse effect?
 5. What are the effects of PAN on the plants?
 6. What do you mean by temperature lapse rate? Give brief explanation.
 7. What is the fate of a pollutant? Explain briefly with some examples.
 8. What is acid rain? Which pollutants are responsible for causing acid rain?
-

