

A-1030

Total Pages : 3

Roll No.

ESC-606

M.Sc. ENVIRONMENT SCIENCE (MSCES-19)

(Air Pollution and Control Technologies-II)

4th Semester Examination, Session December 2024

Time : 2:00 Hrs.

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 answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

Section-A

(Long Answer Type Questions) $2 \times 9\frac{1}{2} = 19$

Note :- Section 'A' contains Five (05) Long-answer type questions of Nine and Half ($9\frac{1}{2}$) marks each. Learners are required to answer any *two* (02) questions only.

1. What is vehicular emissions ? Describe the types of vehicular pollutants.
2. Explain in detail about the vehicular pollution modelling in India.
3. Discuss in detail about the status of vehicular pollution in India and its impacts on human health.
4. What are the impacts of paper industries on air environment ? Discuss in detail.
5. What is sound ? When it became noise. Explain with suitable example.

Section–B

(Short Answer Type Questions) 4×4=16

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.

1. Differentiate between sound pressure and sound power.
2. Write a brief note on Noise Pollution (Regulation and Control) Rules-2000 in India.
3. Describe the various factors of vehicle emission.
4. What is the impact of paper industries on Water ? Explain.

5. What do you mean by the zero emission vehicles ?
Explain.
6. Discuss the impacts of thermal power plants on the environment.
7. What are the effects of noise pollution on human health ?
Explain.
8. Describe the various noise reduction methods that can be applied for the highways.
