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Total No. of Questions: 16] [Total No. of Printed Pages: 3

CENV-311

M.Sc. (IIIrd Semester) Examination, Jan.-2023 ENVIRONMENTAL SCIENCE

Paper - FS-ENV-CC-301

(Environmental Technology)

Time: 3 Hours] [Maximum Marks: 40

The question paper contains three Sections.

Section-A (Marks : $1 \times 10 = 10$)

Note: Answer all ten questions (Answer limit 50 words). Each question carries 1 mark.

Section-B (Marks: $3 \times 5 = 15$)

Note: Answer any five questions by selecting at least one question from each Unit (Answer limit 200 words). Each question carries 3 marks.

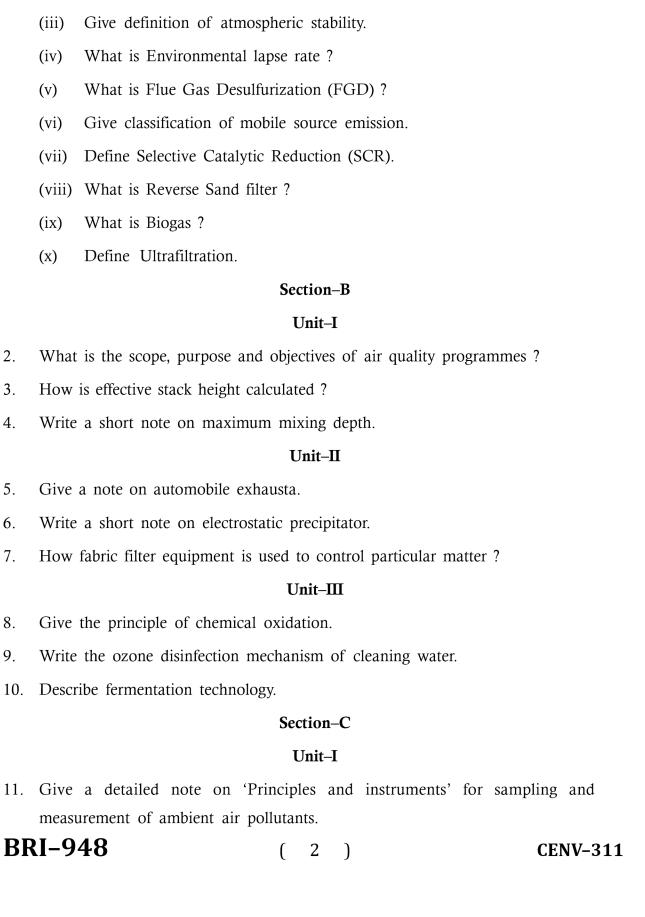
Section–C (Marks: $5 \times 3 = 15$)

Note: Answer any *three* questions by selecting *one* question from each Unit (Answer limit **500** words). Each question carries **5** marks.

Section-A

- 1. (i) What do you mean by ambient air quality monitoring?
 - (ii) What is the method for NO₂ measurement in ambient air?

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12. How does dispersion of pollutants take place in atmosphere? Explain with Gaussian–Plume model.

Unit-II

- 13. Elaborate control methods of gaseous air pollutants.
- 14. Explain a case study of thermal power plant with control methods of gaseous and PM pollutants.

Unit-III

- 15. Describe drinking water treatment procedures by using flow chart.
- 16. What is Bioremediation ? Discuss various types of bioremediation with advantages and disadvantages.

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