

Roll No. :

Total No. of Questions : 16]

[Total No. of Printed Pages : 3

CENV-118

M.Sc. (Ist Semester) Examination Jan., 2023

ENVIRONMENTAL SCIENCE

Paper - ESCC-104

(Environmental Pollution)

Time : 3 Hours]

[Maximum Marks : 40

The question paper contains three Sections.

Section-A

(Marks : 1 × 10 = 10)

Note :- The candidate is required to answer all the *ten* questions carries 1 mark each. The answer should not exceed **50** words.

Section-B

(Marks : 3 × 5 = 15)

Note :- The candidate is required to answer *five* questions by selecting at least *one* question from each Unit. Each question carries **3** marks. Answer should not exceed **200** words.

Section-C

(Marks : 5 × 3 = 15)

Note :- The candidate is required to answer *three* questions by selecting *one* question from each Unit. Each question carries **5** marks. The answer should not exceed **500** words.

BRI-947

(1)

CENV-118 P.T.O.

Section–A

1. (i) Define global warming potential.
- (ii) What is PM_{10} and $PM_{2.5}$?
- (iii) Write natural sources of air pollution.
- (iv) What is Environmental Tobacco Smoke (ETS) ?
- (v) What do you mean by CRZ ?
- (vi) What is the role of clarifier in wastewater treatment ?
- (vii) What is MPN ?
- (viii) What is hazardous waste ?
- (ix) What is sound pressure level (SPL) ?
- (x) Write the names of different forms of ocean energy.

Section–B

Unit–I

2. Differentiate primary and secondary air pollutants.
3. Write about gas laws governing behaviour of air pollutants.
4. Write a short note on Acid Rain.

Unit–II

5. Write on types and sources of water pollution.
6. Explain any method of bacteriological analysis method of water quality.
7. Write a short note on soil microorganisms and their functions.

Unit-III

8. Write the effects of meteorological parameters on noise propagation.
9. Explain the characteristics of hazardous waste.
10. Write a short note on thermal pollution.

Section-C

Unit-I

11. Give a detailed note on control of air pollution.
12. Explain in detail on transport and diffusion of air pollutions.

Unit-II

13. Elaborate synthetic fertilizers and their interactions with soil components
14. Give a detailed note on coastal management.

Unit-III

15. Explain different methods of disposal and management of hospital wastes.
16. Describe impacts of large scale exploitation of solar energy and hydro energy.