

19P414

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Name:

Reg. No.....

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021

(CBCSS - PG)

CC19P ESC4 E25 - GREEN CHEMISTRY

(Environmental Science)

(2019 Admission - Regular)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any **four** questions. Each question carries 2 weightage.

1. Define global warming.
2. What is Green chemistry?
3. Explain the Principles of Green chemistry.
4. Write notes on ozone depletion.
5. Briefly explain the properties and fates of environmental contaminants.
6. Comment Plastics pollution.
7. Comment on Bio-diesel.

(4 x 2 = 8 Weightage)

II. Write a short essay on any **four** of the following. Each question carries 3 weightage.

8. Explain the Emerging Green Technologies.
9. Comment on the importance of green chemistry in agricultural field.
10. Briefly explain impact of fertilizers and pesticides on nature.
11. Write a note on sources and effects of water pollution.
12. Explain the different types of energy and their environmental impact.
13. Write notes on air pollution.
14. Explain how green chemistry address the problems of waste management.

(4 x 3 = 12 Weightage)

III. Write a long essay on any **two** of the following. Each question carries 5 weightage.

15. Explain briefly the water treatment.
16. Briefly explain the alternative energy sources.
17. Write an account on types of air pollutants and their impact on environment.
18. Explain the importance of green chemistry in fertilizers and pesticide production.

(2 x 5 = 10 Weightage)
