

**20P416**

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Name: .....

Reg. No.....

**FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC19P ESC4 E25 - GREEN CHEMISTRY**

(Environmental Science)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

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

1. Define water pollution.
2. What is biomagnification?
3. Explain the environmental sustainability.
4. Explain the term Green Engineering.
5. Briefly explain the sources of air pollution.
6. Comment agriculture pollution.
7. Comment on Fossil fuel.

**(4 × 2 = 8 Weightage)**

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

8. Explain the two emerging Green Technologies.
9. Comment on the importance of green chemistry in chemical industries.
10. What are the steps involved in prevention of chemical accidents?
11. Write a note on sources and effects of eutrophication.
12. Write notes on fate of pesticides in the environment.
13. Write notes on sustainable industrial chemistry.
14. Explain the fate heavy metals, pharmaceuticals chemical in nature.

**(4 × 3 = 12 Weightage)**

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

15. Explain briefly the climate change.
16. Briefly explain the economic perspectives on pollution prevention.
17. Explain briefly the prevention for air pollution.
18. Explain the importance of green chemistry in fertilizers and pesticide production.

**(2 × 5 = 10 Weightage)**

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