

QP Code: U24A017

Reg. No :

Name :

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

**I SEMESTER B A/B Sc /B Com/BBA/BCA/BSW(FYUGP) DEGREE EXAMINATION,
November 2024**

**CHE1FM105 : Environmental Chemistry
2024 Admission Onwards
(Credits: 3)**

Time : 1.5 Hours

Maximum Marks : 50

Section A

[Answer All. Each question carries 2 Marks] (Ceiling: 16 Marks)

1. Interpret the role of the stratosphere for protecting the living organisms on earth? [BTL4]
2. Relate environmental studies with environmental chemistry [BTL4]
3. Compare ionosphere and exosphere. [BTL3]
4. What are CFCs? What are they used for? [BTL1]
5. List the sources of marine water pollution. [BTL1]
6. Identify the heavy metals causing water pollution. [BTL3]
7. Identify the key factors that contributed to radioactive pollution [BTL4]
8. Explain how pesticides contribute to soil pollution. [BTL2]
9. Explain how power plants contribute to thermal pollution. [BTL2]
10. How would you apply recycling strategies to reduce the accumulation of e-waste in urban areas? [BTL3]

Section B

[Answer All. Each question carries 6 Marks] (Ceiling: 24 Marks)

11. Differentiate degradable and non-degradable pollutant with example. [BTL2]
12. Explain the different segments of the environment. [BTL1]
13. Compare and contrast the causes and effects of London smog and photochemical smog. [BTL4]
14. Categorize the water pollutants as biological, physical and chemical agents. [BTL4]
15. Analyze the environmental impacts of e-waste disposal on soil, water, and air quality and suggest control measures that can be implemented to manage and reduce e-waste effectively. [BTL4]

Turn Over

Section C

[Answer any one. Each question carries 10 Marks] (1x10=10Marks)

16. Evaluate the impact of tropospheric and stratospheric pollution on our environment [BTL5]
and assess the air pollution control measures available.
17. Illustrate eutrophication with its adverse consequences. [BTL5]

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