

21U615

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Name: .....

Reg.No: .....

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2024**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19U CHE6 B13 - MEDICINAL AND ENVIRONMENTAL CHEMISTRY**

(Chemistry - Elective Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 2

**Part A** (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Distinguish between prescribed and nonprescribed drugs.
2. Explain drug dosage.
3. Name any three assay of drugs.
4. Name two diseases caused by virus.
5. Recommend two lifestyle changes that can lower blood cholesterol levels.
6. What is MIC? Why is it so infamous in India?
7. What is fabric filter?
8. Explain sampling of gases and vapours using grab sampling.
9. What are the technique used for monitoring of NO<sub>x</sub> pollution?
10. What is lagooning process?
11. What are the advantages of trickling filters?
12. What is regenerative method used for industrial sewage water treatment process?

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Describe various wet methods for sterilization of surgical instruments.
14. Explain the grouping of blood.
15. The occurrence and transmission of cholera has a strong relation to poverty. Explain.
16. Give an account of phenol poisoning.

17. Explain sampling of particulate pollutants using impingement.
18. Explain the monitoring of H<sub>2</sub>S pollution.
19. What is anaerobic treatment process?

**(Ceiling: 30 Marks)**

**Part C (Essay questions)**

Answer any *one* question. The question carries 10 marks.

20. Demonstrate the causes, symptoms and treatments for lung cancer.
21. Explain (i) USAB process (ii) Deep well injection

**(1 × 10 = 10 Marks)**

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