

23U616

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Name:

Reg.No:

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2026

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19UCHE6B13 - 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. What are the key factors that have been found to influence whether people are healthy or unhealthy?
2. What is blood?
3. Explain therapeutic index
4. What are the symptoms of measles?
5. Recommend two lifestyle changes that can lower blood pressure levels.
6. Give two uses of nitrosamines.
7. What is blackfoot disease?
8. What is wet scrubber?
9. Explain sampling of particulate pollutants using high volume filtration.
10. What are the types of industrial wastes?
11. What is primary treatment in sewage water treatment process?
12. What are the disadvantages of autothermal thermophilic aerobic digestion (ATAD).

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Write a note on routes of drug administration.
14. Explain adverse drug reaction
15. Comment on the causes of dysentery.
16. Distinguish between various asbestos exposures.

17. Explain the monitoring of SO₂ pollution.
18. Discuss about the determination of total dissolved solids (TDS) in sewage water.
19. Explain the characteristics of industrial waste water.

(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 industrial sewage water treatment process.

(1 × 10 = 10 Marks)
