

20U615

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Name:

Reg.No:

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023

(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. Explain blood transfusion.
2. Define drug. Give example.
3. What is meant by assay of drugs?
4. "There is an urgent need for new TB drugs to be developed". Why?
5. Give an idea about 'palliative care'.
6. Give the name of two chemicals that are hazardous to kidneys.
7. Explain sampling of particulate pollutants using electrostatic precipitation.
8. Explain sampling of gases and vapours using grab sampling.
9. What are the technique used for the monitoring of SO₂ pollution?
10. What is primary treatment in sewage water treatment process?
11. What is oxidation ditch process in sewage water treatment process?
12. What are the different types of solids present in sewage water?

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Discuss the biochemical analysis of serum.
14. Discuss the term drug abuse.
15. How are kidney stones formed? What are the symptoms? Give some dietary reccomondations to minimize their formation.
16. Give an account of dioxin poisoning.

17. Explain cyclone collectors and its merits and demerits.
18. Explain the monitoring of hydrocarbon pollution.
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. Discuss the causes, symptoms and treatments for (i) cholera, (ii) dysentery and (iii) typhoid fever
21. Discuss briefly about the different procedure used for the industrial sewage water treatment process.

(1 × 10 = 10 Marks)
