

TB205115V

Reg. No :

Name :

B. Sc. DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2022
2020 ADMISSIONS REGULAR AND 2019, 2018 ADMISSIONS SUPPLEMENTARY
SEMESTER V - CORE COURSE (CHEMISTRY)
CH5B05B18 - ENVIRONMENTAL STUDIES AND HUMAN RIGHTS

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. Identify two regional effects of agriculture on environment.
2. Distinguish between surface water and ground water.
3. Enumerate the scope of environmental studies.
4. Identify the reasons for resettlement.
5. Define rehabilitation.
6. Identify six fundamental human rights.
7. List the negative consequence of soil pollution.
8. Discuss the significance of green house gases in global warming.
9. Explain the term atom economy with a suitable example.
10. Differentiate between point and non-point sources of pollution with examples.
11. Give four adverse effects of heavy metals in humans.
12. Explain the two types of exposure: chronic or acute.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Give an example of the effective use of solar energy in Kerala. Elaborate.
14. Identify the negative effects of ground water depletion.
15. Discuss the importance of mineral resources and its exploitation.
16. Analyze various environmental issues related to climate change, global warming and acid rain.
17. Explain the concept environmental ethics.
18. Identify constitutional privileges for women.
19. Discuss on water quality parameters- Dissolved oxygen and its consequences.
20. Explain Eutrophication and explain the steps involved in the process.
21. Discuss briefly about the impact of toxic chemicals on enzymes.

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. Explain the structure and functions of an ecosystem.
23. Discuss the constitutional provisions for scheduled castes, scheduled tribes and other marginalized groups.
24. Discuss on the twelve principles of green chemistry, briefly explaining each principle.
25. Discuss the factors responsible and remedial measures for a) Thermal Pollution b) Examine a case study related to water pollution.