



23108091

QP CODE: 23108091

Reg No :

Name :

B.Sc DEGREE (CBCS) SPECIAL SUPPLEMENTARY EXAMINATIONS,

APRIL 2023

Fifth Semester

B.Sc Biotechnology Model III

CORE COURSE - BT5CRT13 - ENVIRONMENTAL BIOTECHNOLOGY AND HUMAN RIGHTS

2020 Admission Only

3F63CBDE

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. What are abiotic components of ecosystem?
2. What is an ecological pyramid?
3. Effects of acid rain.
4. Which pollutants are responsible for depletion of ozone layer?
5. E.coli as an indicator organism.
6. What is biomagnification?
7. What is Superbug?
8. What is RBC?
9. What is Trickling Filter Process?
10. Give the principle of methanogenesis.
11. Expand ECOSOC.
12. What is state parties?

(10×1=10)





Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain the types of natural resources?
14. How can we use various alternate energy resources? Explain.
15. Explain the health consequence of radioactive fallout.
16. What are the types of pesticide? Describe.
17. Describe the parameters used for testing drinking water.
18. Describe the differences between ex-situ and in-situ bioremediation.
19. Explain the process of solid waste management.
20. What are the special purposes for protection of forests and its significance?
21. Describe the concluding observations of human rights committee.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Discuss the nitrogen and carbon cycle with illustration.
23. How can environmental biotechnology contribute to environmental clean up? Write an essay.
24. Describe in detail the various reactors used for waste water treatment.
25. Write an essay on ICCPR & ICESCR.

(2×10=20)

