



QP CODE: 24028959



Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, OCTOBER
2024**

Fifth Semester

B.Sc Biotechnology Model III

**CORE COURSE - BT5CRT13 - ENVIRONMENTAL BIOTECHNOLOGY AND HUMAN
RIGHTS**

2017 Admission Onwards

D4A316A8

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. Define 'Decomposers' of ecosystem.
2. What are the various resources of energy?
3. What is Biosorption?
4. Name the major greenhouse gases.
5. Comment on alkalinity..
6. Serial Dilution Technique.
7. How do you break down lignin?
8. What is the principle of activated sludge?
9. Comment on Methanogenic bacteria.
10. Forest Act.
11. Where is the head quarters of United Nations.
12. Article 14 of Indian Constitution.

(10×1=10)

Part B

*Answer any **six** questions.*

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





13. Give an account of energy flow in an ecosystem.
14. How does the use of energy resources affect the environment? Explain.
15. Explain the health consequence of radioactive fallout.
16. What are the causes of depletion of natural resources?
17. What are the methods adopted in biodegradation of Xenobiotics? Explain.
18. What are catabolic plasmids? Describe.
19. Describe the removal of phosphorus from waste water.
20. Explain the various approaches for solid waste management.
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. Explain the types of pesticide and describe the effects of pesticide pollution?
24. Write an essay on the floc and film based processes?
25. Write an essay on NHRC.

(2×10=20)

