



QP CODE: 22100034



22100034

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS,
JANUARY 2022**

Fifth Semester

B.Sc Biotechnology Model III

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

2017 Admission Onwards

9BF41341

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. What are the types of renewable energy resources?
2. What is alternative energy resources?
3. What are the reasons for nuclear fallout?
4. List out some examples of natural sources.
5. Define COD.
6. What is PHA?
7. What are the types of biodegradation?
8. What is Stabilization pond?
9. Comment on sludge stabilisation.
10. What is meant by environmental law?
11. What is meant by universality of human rights?
12. Expand ICCPR.

(10×1=10)

Part B

*Answer any **six** questions.*

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





13. Describe the components of ecosystem.
14. Explain the process of nitrogen fixation in nature.
15. Describe the Bioscrubber.
16. Explain the Photochemical smog.
17. What is MPN testing of water? Explain.
18. What are catabolic plasmids? Describe.
19. What is chemical aided sedimentation? Explain.
20. Give a note on symbiotic relation between algae and bacteria.
21. Describe the Article 32 of Indian constitution.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain the ecological pyramid of energy in the ecosystem.
23. Explain the types of pesticide and describe the effects of pesticide pollution?
24. Write an essay on aerobic methods of waste water treatment.
25. Write an essay on the committee on the elimination of racial discrimination.

(2×10=20)

