

QP CODE: 21100034



Reg No :

Name :

BSc DEGREE (CBCS) EXAMINATION, FEBRUARY 2021

Fifth Semester

B.Sc Biotechnology Model III

Core Course - BT5CRT13 - ENVIRONMENTAL BIOTECHNOLOGY AND HUMAN RIGHTS

2017 Admission Onwards

2C28425F

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. Define 'Decomposers' of ecosystem.
2. What is the difference between alternative energy and renewable energy?
3. What are the effects of global warming?
4. What are Pesticides?
5. Comment on MPN.
6. What is biodegradation?
7. What are the major enzymes used in biodegradation?
8. What is skimming tank?
9. What is biofilm?
10. What is Trickling Filter Process?
11. Define human rights.
12. Expand and comment on ILO.

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. Write a note on ecological pyramid.





14. How does wind power work? Describe.
15. Describe the measures used for controlling water pollution.
16. Explain the major causes of ozone layer depletion.
17. What are the criteria for testing water purity? Describe.
18. Discuss the molecular biology of biodegradation reactions.
19. Write a note on Biogas production.
20. What is anaerobic sludge digestion? Describe.
21. Explain the working of SHRC.

(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 reasons, health and environmental effects of radioactive fallout.
24. Write an essay on various environmental laws?
25. Write an essay on critical appraisal of human rights regime.

(2×10=20)

