

QP CODE: 19102433



Reg No :
Name :

BSc DEGREE (CBCS) EXAMINATION, OCTOBER 2019

Fifth Semester

B.Sc Biotechnology Model III

Core Course - BT5CRT13 - ENVIRONMENTAL BIOTECHNOLOGY AND HUMAN RIGHTS

2017 Admission Onwards

A78AB536

Maximum Marks: 60

Time: 3 Hours

Part A

Answer any ten questions.

Each question carries 1 mark.

1. Define 'producers' of ecosystem.
2. What is Denitrification?
3. List out the sources of air and water pollution.
4. Ozone layer depletion?
5. Explain presumptive test.
6. Define Phytoremediation.
7. What are catabolic plasmids?
8. What is the principle of activated sludge?
9. Stages of anaerobic digestion.
10. Forest Act.
11. Article 1 of UN.
12. Present chairperson of NHRC.

(10×1=10)

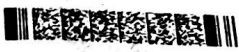
Part B

Answer any six questions.

Each question carries 5 marks.

13. Give an account of energy flow in an ecosystem.



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14. What are different types of alternate energies?
 15. Explain the health consequence of radioactive fallout.
 16. What are the harmful effects of pesticides? Explain.
 17. Describe the parameters used for testing drinking water
 18. Explain the enzymes involved in biodegradation of hydrocarbons.
 19. Explain the methods used for the removal of nitrogen from waste water and its significance.
 20. How does a RBC work? Explain.
 21. Explain the working of ICCPR.

(6×5=30)

Part C

Answer any two questions.

Each question carries 10 marks.

22. Explain the different types of renewable and non renewable energy resource.
23. Write notes on (a.) acid rain and (b.) Smog.
24. Explain the various approaches for solid waste management.
25. Explain three generations of human rights.

(2×10=20)