21000849

QP CODE: 21000849

Reg No : .....

Name : .....

M Sc DEGREE (CSS) EXAMINATION, JULY 2021

Fourth Semester

Faculty of Science

M Sc ZOOLOGY

Elective - ZL810402 - ENVIRONMENTAL POLLUTION AND TOXICOLOGY

2019 Admission Onwards

51FF8245

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

Answer any **eight** questions.

Weight **1** each.

1. Briefly explain the effects of air pollutants on animals.
2. What is the primary aim of air monitoring programmes?
3. Mention the sources of ground water pollution.
4. Comment on soil pollution.
5. Briefly describe the soil washing and soil vapour extraction techniques.
6. Explain the biological processes involved in composting.
7. Comment on Biomedical waste (Management& Handling) Rules 1998.
8. Define radioactivity.
9. What is chronic toxicity?
10. Define LC 50.

(8×1=8 weightage)

Part B (Short Essay/Problems)

Answer any **six** questions.

Weight **2** each.

11. Describe a wet scrubber and mention its significance in air pollution control.
12. Briefly explain primary waste water treatment process.
13. Explain the biological impacts of soil pollution.

14. Explain resource recovery and recycling in solid waste management.

15. Write a note on hazardous waste in landfill.

16. What is noise pollution? Give an account on the sources of noise pollution.

17. Explain the methodology involved in toxicity testing.

18. Give an account on bioremediation.

(6×2=12 weightage)

Part C (Essay Type Questions)

Answer any **two** questions.

Weight **5** each.

19. Write an essay on the local, regional and global aspects of air, water and soil pollution.

20. Explain in detail, the advanced waste water treatment methods.

21. Describe the causes and consequences of thermal pollution.

22. Explain bio accumulation and bio magnification citing suitable examples.

(2×5=10 weightage)