19001124

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Reg. No.....

Name.....

M.Sc. DEGREE (C.S.S.) EXAMINATION, APRIL 2019

Fourth Semester

Faculty of Science

Branch VIII—Zoology—Elective-C—Environmental Science

ZY 4C ETO 2—ENVIRONMENTAL POLLUTION AND TOXICOLOGY

(2012 Admission onwards)

Time : Three Hours Maximum Weight : 30

Section A (Short Answer Type Questions)

Answer any **ten** *out of twelve.*
Each carries a weightage of 1.

Comment on the following :

1. Hydrogen fluoride.
2. Hydrocarbons.
3. Heavy metals.
4. Reverse osmosis.
5. Plasma pyrolysis.
6. e-waste.
7. Thermal pollution.
8. Radioactive decay.
9. Toxicity curves.
10. Biomagnification.
11. Bioassay.
12. Teratogenicity.

(10 × 1 = 10)

Section B (Short Essay Type Questions)

Answer any **five** *out of eight.*
Each carries a weightage of 2.

13. History of Industrialization and Urbanization.
14. Particulates and gaseous pollutants in the atmosphere.

Turn over

15. Treatment of water for potable purpose.

16. The manufacture, storage and import of hazardous chemicals Rules 1989.

17. Basic principles of noise control.

18. Assessment and measurement of sound.

19. Nuclear reactor disasters.

20. Limitations and importance of bioassay.

(5 × 2 = 10)

Section C (Long Essay Type Questions)

Answer any **two** *out of three.*
Each carries a weightage of 5.

21. Effects of air pollutants on human health, animals vegetation, materials and structure.

22. Advanced waste water treatment.

23. Biochemical aspects of As, Cd, Pb, Hg and Cu.

(2 × 5 = 10)