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Reg. No.....

Name.....

M.Sc. DEGREE (C.S.S.) EXAMINATION, MAY 2020

Fourth Semester

Faculty of Science

Branch VIII : Zoology—Elective–C—Environmental Science

ZY 4C ET 02—ENVIRONMENTAL POLLUTION AND TOXICOLOGY

(2012 Admissions—Regular)

Time : Three Hours Maximum Weight : 30

Section A (Short Answer Type Questions)

Answer any **ten** *out of twelve.*
Weight 1 *each.*

I. 1 Bio-transformation of Xenobiotics.

2 LC_{50}.

3 Coliform bacteria.

4 BOD.

5 Bioremediation.

6 e-waste.

7 Thermal pollution.

8 Bioassay.

9 Trickling filters.

10 Dose-response relationship.

11 Plasma pyrolysis.

12 Reverse osmosis.

(10 × 1 = 10)

Turn over

Section B (Short Essay Type Questions)

Answer any **five** *out of eight.*
Weight 2 *each.*

II. 13 Nuclear reactor disasters.

14 Assessment of occupational hazards.

15 Oil pollution — causes and consequences.

16 Treatment of water for potable purpose.

17 Assessment and measurement of sound.

18 Gaseous pollutants.

19 Vermicomposting.

20 Biological effects of radiation.

(5 × 2 = 10)

Section C (Long Essay Type Questions)

Answer any **two** *out of three.*
Weight 5 *each.*

III. 21 Write an essay on advanced waste water treatment.

22 Explain the sources, classification and effects of air pollution. Add a note on air pollution monitoring methods.

23 Write an essay on the physico-chemical and biological impacts of soil pollution.

(2 × 5 = 10)