Total No. of Printed Pages: 4 Roll No..... Code No.: B02/208 Second Semester Online Examination, May-June, 2022 M. Sc. BIOTECHNOLOGY Paper II ENVIRONMENTAL BIOTECHNOLOGY Time: Three Hours [Maximum Marks: 80 **Note:** Part A and B of each question in each unit consist of 'very short answer type question' which are to be answered in one or two sentences. Part C 'Short answer type' and D 'Long answer type' of each question should be answered within the word limit mentioned.

UNIT-I

1. (A) What is green house effect?

(B) Define air quality standard. 2

(C) List four threats form aerosols.

(word limit 200-250) 4

OR

List four chemical parameters of water quality.

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(D) What are the major sources of water pollution in India. Discuss the nature of pollutants involed and suggest methods of control. (word limit 400-450) 12

OR

Give an account of prevention and control of air pollution.

UNIT-II

2. (A) What is anaerobic digetion?

(B) What is primary method of water treatment?

(C) What are the limitations of biological oxygen demand? (word limit 200-250) 4

OR

What is oxidation pond?

(D) Give an account of biological contractors in waste water treatment.

(word limit 400-450) 12

OR

Give an account of treatment schemes for waste water of dairy and antibiotic industry.

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UNIT-III

3. (A) What is degradative plasmid? 2

- (B) Define integrated pest management. 2
- (C) Explain land fill method for disposal of solid waste. (word limit 200-250) 4

OR

What do you mean by Insitu biore-mediation explain with example.

(D) Give an account of composting methods adopted in India adding a note with their significance. (word limit 400-450) **12**

OR

Why are oil spill a threat? Give a brief account of causes and effects of oil spill and their clean of techniques.

UNIT-IV

4. (A) Define copy right.

- (B) How can biotechnology help in solving agricultural problems.
- (C) What are the impacts of elimate change on health?

(word limit 200-250) 4

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OR

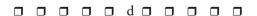
What constitution measures have been taken by the government for protection of wildlife in India?

(D) Who can apply for GI tag explain the process, benefits and limitations of GI tags.

(word limit 400-450) **12**

OR

Describe the classification of hazardous waste with special reference significance to treatment and disposal rules for biomedical waste.



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