

Roll No.....

Total No. of Printed Pages : 4

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 ? 2
- (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 ? 2
- (B) What is primary method of water treatment ? 2
- (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 bio-re-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. 2
(B) How can biotechnology help in solving agricultural problems. 2
(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 and significance to treatment and disposal rules for biomedical waste.

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