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15/02/2021
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Name.....

Reg. No.....

SECOND SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION, APRIL 2020

Biotechnology

BTY 2C 07—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours

Maximum : 40 Marks

Section A

Answer any **one** question on about 1,500 words.

Each question carries 10 marks.

1. Describe in detail about the waste water treatment methods.
2. Discuss about water purification processes and its application.

(1 × 10 = 10 marks)

Section B

Answer any **three** questions on about 1,000 words.

Each question carries 5 marks.

3. Explain-Physical characteristics of waste water.
4. Give an account on phosphate removal from waste water.
5. Discuss about chlorination processes in water purification.
6. Explain the membrane filtration techniques.
7. Briefly explain about presumptive and confirmative tests for water quality assessment.

(3 × 5 = 15 marks)

Section C

Answer **all** questions on about 500 words.

Each question carries 3 marks.

Write a short note on :

8. Water pollution.
9. Domestic sewage.
10. Biological filters.
11. Sludge treatment process.
12. Chlorination.

(5 × 3 = 15 marks)