

D 43257

Name.....

Reg. No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MAY 2018

(CUCBCSS—UG)

Complementary Course

BTY 2C 07—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours

Maximum : 40 Marks

Section A

Answer any one question in about 1,500 words.

Each question carries 10 marks.

1. Briefly explain the physical, chemical and biological characteristics of waste water.
2. Explain about the principle and applications of waste water treatment method.

(1 × 10 = 10 marks)

Section B

Answer any three in about 1,000 words.

Each question carries 5 marks.

3. Explain-Presumptive and confirmatory test.
4. Write down the principle and procedure of the MPN test.
5. Discuss about reverse osmosis water filter system.
6. Give an account on sewage treatment.
7. What is biofiltration ? Explain the process and advantages of biofiltration.

(3 × 5 = 15 marks)

Section C

Answer all questions in about 500 words.

Each question carries 3 marks.

8. Explain the chemical characteristics of wastewater.
9. Define - Sedimentation and its application.
10. Write a short note on trickling filters.
11. What is fed batch reactor ? Explain.
12. What is coagulation and flocculation ?

(5 × 3 = 15 marks)