

C 24788

Name.....

Reg. No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MAY 2017

(CUCBCSS—UG)

Complementary course

BTY 2C 07—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours

Maximum : 40 Marks

Section A

*Answer any **one** question out of **two** questions in about 1,500 words.*

The question carries 10 marks.

1. Discuss anaerobic waste water treatments.
2. Explain the waste water treatment using aquatic plants.

(1 × 10 = 10 marks)

Section B

*Answer any **three** out of **five** questions in about 1,000 words.*

Each question carries 5 marks.

3. Explain the methods of removal of nitrogen from waste water.
4. Explain primary treatment.
5. What are the causes of water pollution ?
6. Write a note on rotating biological contactors.
7. Explain-e-coli as in dicator organism.

(3 × 5 = 15 marks)

Section C

*Answer all **five** questions in about 500 words.*

Each question carries 3 marks.

8. Trickling filters.
9. MPN test.
10. Packed column reactors in waste water treatments.
11. Activated sludge.
12. Chlorination.

(5 × 3 = 15 marks)