

C 5649

Name.....

Reg. No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MAY 2016

(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. Discuss the various biological waste water treatment processes.
2. Discuss primary, secondary and tertiary treatment of waste water.

(1 × 10 = 10 marks)

Section B

Answer any three questions in about 1,000 words.

Each question carries 5 marks.

3. Give an account on VASB.
4. Explain the role of stabilization ponds in treatment systems.
5. How can aquatic plants be used in waste treatment ?
6. Give an account on UV and chlorination in water purification.
7. Discuss methods of nitrogen removal from waste water.

(3 × 5 = 15 marks)

Section C

Answer all questions in about 500 words.

Each question carries 3 marks.

8. Write a note on indicator organisms.
9. Confirmed test.
10. Contact digesters.
11. Chemical characteristics of waste water (domestic sewage).
12. Biological filters.

(5 × 3 = 15 marks)

