

D 92889

Name.....

Reg. No.....

**FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2015**

(CUCBCSS-UG)

Complementary Course

**BTY 1C 03 – ENVIRONMENTAL BIOTECHNOLOGY**

Time : Three Hours

Maximum : 40 Marks

**Section A**

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

*Each question carries 10 marks.*

1. Discuss types of pollution and control methods.
2. Explain the Nitrogen cycle, with emphasis on the role of micro-organisms.

(1 × 10 = 10 marks)

**Section B**

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

*Each question carries 5 marks.*

3. Discuss the loss of biodiversity due to antropogenic effects.
4. Explain the different methods of composting.
5. What is eutrophication? What are the causes?
6. Explain the water cycle.
7. What is meant by 'End of Pipe' treatments?

(3 × 5 = 15 marks)

**Section C**

*Answer all five questions in about 500 words.*

*Each question carries 3 marks.*

8. Discuss Ecological succession.
9. What are the different organism interactions? What is the impact?
10. What are the factors causing greenhouse effect?
11. Write a note on the phosphorous cycle.
12. Write briefly on energy flow through ecosystems.

(5 × 3 = 15 marks)