

C 23345

FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2017
(CUCBCSS-UG)

Complementary Course

BTY 4C 15---ENVIRONMENTAL BIOTECHNOLOGY

Time: Three Hours

Maximum: 40 Marks

Section A

Answer **any one** out of two questions in about 1500 words.
Each question carries 10 marks.

1. What is biogas ? Describe the process of biogas production.
2. What are the types of bioplastics and their applications ?

(1 x 10 = 10 marks)

Section B

Answer **any three** out of five questions in about 1000 words.
Each question carries 5 marks.

3. What are biopesticides? What are their types and applications?
4. What are the environmental impacts of GM crops?
5. What is bioleaching? Explain the process with respect to copper.
6. What are the methods of bioremediation?
7. What are the sources of bio alcohol from wastes? How is it produced?

(3 x 5 = 16 marks)

Section C

Answer **all five** questions in about 500 words.
Each question carries 3 marks.

8. What are the processes involved in phytoremediation ?
9. Write a note on biofertilizers.
10. How is biomass converted to electricity?
11. What are genetically modified organisms?
12. What is biodiesel ?

(5 x 3 = 15 marks)