

C 23345

Name.....

Reg. No.....

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 question 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 × 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 × 5 = 15 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 biofertilisers.
10. How is biomass converted to electricity ?
11. What are genetically modified organisms ?
12. What is biodiesel ?

(5 × 3 = 15 marks)

