

D 42010

Name.....

Reg. No.....

FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2018

(CUCBCSS—UG)

Complementary Course

BTY 4C 15—ENVIRONMENTAL BIO-TECHNOLOGY

Time : Three Hours

Maximum : 40Marks

Section A

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

1. Give account on different types of biofertilizers with its applications.
2. List out the steps involved in biodiesel production.

(1 × 10 = 10 marks)

Section B

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

3. Write about the types and advantages of biopesticides.
4. Briefly discuss the first generation biofuel.
5. Give brief notes on single cell protein derived from high energy sources.
6. Explain the limitations and factors affecting the biogas production.
7. Elaborate in detail about biosorption process.

(3 × 5 = 15 marks)

Section C

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

8. Discuss the advantages and disadvantages of biodiesel.
9. Briefly discuss the thermochemical and biochemical processes involved in bioelectricity production.
10. Give the structure and properties of PHB.
11. SCP.
12. Write short notes on Environmental impact of biodiesel.

(5 × 3 = 15 marks)