

D 51330

Name.....

Reg. No.....

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS—UG)

Complementary Course

BTY 3C 11—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours

Maximum : 40 Marks

Section A

*Answer any one question out of two in about 1,500 words.
Each question carries 10 marks.*

1. Write an account on "role of microorganisms in biodegradation of various pollutants".
2. Give an elaborate note on Air pollution and its effects on human health.

(1 × 10 = 10 marks)

Section B

*Answer any three questions out of five in about 1,000 words.
Each question carries 5 marks.*

3. Write a short note on composting.
4. Give a brief account on Bioaugmentation.
5. Explain the microbial degradation of petroleum hydrocarbons.
6. What are the parameters that influencing the rate of Biodegradation ?
7. State various effects of acid rain.

(3 × 5 = 15 marks)

Section C

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

8. Explain vermitechnology.
9. Define Biosparging.
10. List any five major Chlorinated Hydrocarbons.
11. Define xenobiotics.
12. List the various primary pollutants.

(5 × 3 = 15 marks)