

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)