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Name.....

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS—UG)

Open Course

BTY 5D 01—INTRODUCTION TO BIOTECHNOLOGY

Time : Two Hours

Maximum : 40 Marks

Section A

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

1. Define Biotechnology. Give a detailed account on various tools used in Biotechnology.
2. Give a detailed account on the principle and steps involved in DNA Finger printing. Add a note on its applications.

(1 × 10 = 10 marks)

Section B

*Answer any four out of eight questions in about 750 words.
Each question carries 5 marks.*

3. Give an account on gene therapy.
4. Give an account on biopesticides.
5. What is fermentation ? Explain the principle involved.
6. Give a detailed account on single cell protein.
7. Describe the procedure involved in the preparation of wine.
8. Give an account on fermented milk product.
9. Give an historical account on traditional Biotechnology.
10. Give an account on biofertilizers.

(4 × 5 = 20 marks)

Section C

*Answer all questions in about 200 words.
Each question carries 2 marks.*

11. Write on the nutritive value of mushroom.
12. What is red Biotechnology ?
13. What are GM crops ? Give one example.
14. What is still wine production ?
15. Write short account on pickles.

(5 × 2 = 10 marks)