

**D 70206**

Name.....

Reg. No.....

**FIFTH SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2019**

(CUCBCSS-UG)

Biotechnology

BTY 5D 01—INTRODUCTION TO BIOTECHNOLOGY

Time : Two Hours

Maximum : 40 Marks

**Section A**

*Answer any **one** out of two questions in about 750 words.*

*The question carries 10 marks.*

1. Give a detail account on the process involved in fermentation.
2. Discuss the application of biotechnology in Agriculture.

(1 × 10 = 10 marks)

**Section B**

*Answer any **four** out of eight questions in about 500 words.*

*Each question carries 5 marks.*

3. Write short notes on safety evaluation of mushroom.
4. Explain the role of fermentation in cheese production.
5. Explain in detail about upstream process.
6. What is mycorrhiza? How does it act as biofertilizer?
7. Write short notes on fermented milk products.
8. Elaborate the procedure of risk assessment of GM food.
9. What are the uses of biotechnology in medicine?
10. Write short notes on gene therapy and its advantages.

(4 × 5 = 20 marks)

**Section C**

*Answer **all** questions in about 200 words.*

*Each question carries 2 marks.*

11. Define Meiosis and Mitosis.
12. Define Pasteurization.
13. Define SCP.
14. Explain RFLP and RAPD.
15. List four advantages of Biopesticides.

(5 × 2 = 10 marks)