

D 90120

Botany, Chemistry, Micro, B.com

Name.....

Reg. No.....

FIFTH SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CUCBCSS—UG)

Biotechnology

BTY 5D 01—INTRODUCTION TO BIOTECHNOLOGY

Time : Two Hours

Maximum : 40 Marks

Part A

*All questions to be attended.
Each question carries 10 marks.*

1. Describe the *Agrobacterium tumefaciens* in producing genetically modified plant.
2. Describe the role of biotechnology in food production, food processing and food security.

(1 × 10 = 10 marks)

Part B

*All questions can be attended and overall ceiling.
Each question carries 5 marks.*

3. Write short notes on meiosis.
4. What are the basic principles followed during fermentation ?
5. Write short notes on nutritional composition of edible mushroom.
6. Give an account on Biofertilizers.
7. Explain the role of microorganism in food processing.
8. Write short notes on gene therapy.
9. Discuss the safety evaluation of SCP.
10. Explain the process of production of vinegar.

(4 × 5 = 20 marks)

Part C

*All questions can be attended and overall ceiling.
Each question carries 2 marks.*

11. Define Cell.
12. Define solid state fermentation.
13. Explain DNA finger printing.
14. Define Dough.
15. List any *four* N-fixing biofertilizers.

(5 × 2 = 10 marks)

