

D 30485

(Pages : 2)

Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS-UG) DEGREE EXAMINATION  
NOVEMBER 2022**

Biotechnology

BTY 5D 01—INTRODUCTION TO BIOTECHNOLOGY

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

*Draw diagrams wherever necessary.***Section A***Write briefly on the following.  
Each question carries 2 marks.*

1. What is Bt cotton ?
2. Define transgenic plants.
3. What are unleavened breads ?
4. What is sauerkraut ?
5. What is malt ?
6. What is terminator technology ?
7. What is a GMO ?
8. What are vector vaccines ?
9. What are microbial pesticides ?
10. What are super weeds ?
11. Comment on Modern acovide vaccine.
12. Comment on probiotics.

**Section B**

(Ceiling 20 marks)

*Write a paragraph on the following.  
Each question carries 5 marks.*

13. Explain the production of vinegar by fermentation.
14. What are sparkling wines. Explain their production.

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15. What are the different fermented milk products?
16. What are the applications of PCR?
17. What are the pros and cons of genetic engineering?
18. What are the different types of bio-fertilizers?
19. What are the different stages in cheese production?

### Section C

*Write an essay on the following.  
The question carries 10 marks.*

20. What are the applications of fermentation in food industry?
21. r DNA technology has revolutionised agriculture. Substantiate the statement.

(Ceiling 20)

(Ceiling 10)