

**D 11238**

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**Name.....**

**Reg. No.....**

**FIFTH SEMESTER B.A./B.Sc./B.Com./B.B.A. DEGREE EXAMINATION  
NOVEMBER. 2016**

**(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 500 words.*

*Each question carries **10** marks.*

1. What is Biotechnology ? Narrate the history of Biotechnology.
2. Give a detailed account on **Biopesticides**, highlighting the various classes, applications, advantages and disadvantages of **biopesticides**.

(1 x 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 DNA finger printing.
4. Explain gene therapy.
5. What are **biofertilizers** and what are its benefits ?
6. Give an account on fermented milk products.
7. What is single cell protein ? Write advantages and disadvantages, citing suitable examples.
8. Give an account on the principle and uses of fermentation.
9. Explain the process of the production of wine.
10. Give an account on cell culture products of Biotechnology.

(4 x 5 = 20 marks)

Turn over

## Section C

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

*Each question carries 2 marks.*

11. What is Bt cotton ?
12. Give short account on Bread and its composition.
13. What is sparkling wine production ?
14. What is Vinegar ?
15. Write the nutritive value of Mushrooms.

(5 x 2 = 10 marks)