

10575

(Pages : 2)

Name.....

Reg. No.....

FIFTH SEMESTER U.G. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS—UG)

Biotechnology

BTY 5D 01—INTRODUCTION TO BIOTECHNOLOGY

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

*Draw diagrams wherever necessary.***Section A***Answer at least eight questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. What is Golden rice ?
2. Define recombinant DNA.
3. What are vectors ?
4. Define biotechnology.
5. What are sparkling wines ?
6. What is Btbrinjal ?
7. What is PCR ?
8. What are DNA vaccines ?
9. What are artificial seeds ?
10. What is gene gun technology ?
11. Comment on Covishield vaccine.
12. Comment on SCP.

(8 × 3 = 24 marks)

Section B*Answer at least five questions.**Each question carries 5 marks.**All questions can be attended.**Overall Ceiling 25.*

3. Explain the production of Yoghurt.
4. What are probiotics ? Explain with an example.

Turn over

15. What are the different fermented food of Indian cuisine ?
16. What is DNA finger printing ? How is paternity determined ?
17. What are the pros and cons of genetically modified food ?
18. What are the different species of mushroom that can be cultured ? What is the procedure for production ?
19. What are the different stages of bread production ?

(5 × 5 = 25)

Section C

Answer any one question.

The question carries 11 marks.

20. What are the applications of transgenic plants ?
21. r DNA technology has revolutionised medicine. Substantiate the statement.

(1 × 11 = 11)