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(Printed Pages 2)

(20425)

Roll No. 8008

B.Sc.(Bio-Tech.)-III Year

Vidushi

3481

B.Sc. (Biotechnology)

Examination, April-2025

Recent Trends in Bio-Technology

(B-309)

(B.Sc. Biotech.)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt any **five** questions. **All** questions carry equal marks.

1. Describe Bio polysaccharide (Xanthum gum) with its application and usage of life.
2. Write short notes on the following
 - (i) β -hydro butyrate
 - (ii) DNA Chips

P.T.O.

3. Discuss the salient features of Human genome projects and its applications in details.
4. Describe Biopesticides and its types.
5. Explain RNA technology in detail. Discuss the features of Antisense RNA technology.
6. Explain, how "M-cells" facilitate the activities of edible vaccines.
7. Write short notes on
 - (i) Seed storage proteins
 - (ii) Terminator seed technology
8. Discuss chloroplast engineering in details with its feature and application in future prospects.
9. Discuss nitrogen fixation. Which morphological, physiological, biochemical traits can analyses for N_2 fixation?
10. What is the relationship between microbiology and membrane technology for biofuel production?