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(20620) Roll No.
B.Sc. (Biotech.)-III Year

NS-3481 (CV)

**B.Sc. (Biotechnology) Examination,
June-2020**

**Recent Trends in Biotechnology
(B-309)**

Time : Two Hours] [Maximum Marks : 75

Note : Answer any **four** questions. **All** questions carry equal marks.

- ① Describe the Biopolymers (β -hydroxy butyrate) in the field of biotechnology?
- ② Write short notes on the following:
 - (i) DNA Chips
 - (ii) Therapeutic proteins
- ③ Define Biopesticides, and their types?
4. How do "M-Cells" facilitate the activity of edible vaccines?

5. What are the typical steps to following during comparative analysis of chloroplast genomes?
6. What is the bovine embryo cryopreservation?
7. Which morphological, physiological, biochemical traits can analyse for N_2 fixation?
- ⑧ Write short notes on the following :
 - (i) Seed Storage proteins
 - (ii) Chloroplast Engineering
9. What is the relationship between microbiology and membrane technology for biofuel production?
10. Write short notes on the following:
 - (i) Arabidopsis as model plant in genetic engineering?
 - (ii) Synthetic cell

P.T.O.

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