

This question paper contains 2 printed pages]

NB—06—2023

FACULTY OF SCIENCE

B.Sc. (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New Pattern)

BIOTECHNOLOGY

Paper-(CBT-1A)

(Introduction to Biotechnology)

(Friday, 01-12-2023)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—75

N.B. :— (i) Attempt *all* questions.

(ii) Each question carries equal marks.

(iii) Draw neat diagram wherever necessary.

1. Describe in brief plant tissue culture. 15

Or

(a) Explain in detail transgenic plants. 8

(b) Write a not on biofertilizer 7

2. Explain in brief Antigen-Antibody interactions. 15

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(2)

NB—06—2023

Or

- (a) Hybridoma Technology 8
- (b) Transgenic Animals. 7
3. Describe in brief wine production. 15
- Or
- (a) Enzymes 8
- (b) Distillery. 7
4. What is Biodegradation ? Explain in detail biodegradation. 15
- Or
- (a) Biogas 8
- (b) Biodiversity. 7
5. Write short notes on (any *three*) : 15
- (a) Seed Technology
- (b) Genetic Counselling
- (c) Cheese Making
- (d) Composting
- (e) Legal impact of Biotechnology.

NB—06—2023

2