

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(BT) (Sem.-1)

INTRODUCTION TO BIOTECHNOLOGY

Subject Code : BSBT-102-18

M.Code : 75325

Date of Examination : 17-01-23

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. **Define the following:**
 - a) Marine Biotechnology
 - b) Traditional Biotechnology.
 - c) Pre processed food
 - d) BT Crops
 - e) Biofertilizer
 - f) Biopharmaceuticals
 - g) Genetic Engineering
 - h) Biopesticides
 - i) Upstream Processing
 - j) Bioreactors.

SECTION-B

2. Write a note on Microbial Fermentation.
3. Write about Environmental Biotechnology and its scope.
4. Write a note on BT Crops.
5. List applications of Biotechnology in Healthcare.
6. Discuss role of fermentation in Enzyme production.

SECTION-C

7. Discuss Applications of Biotechnology in Food Processing and Product Development.
8. Elaborate on industrial production of Beverages.
9. Discuss application of biotechnology in development of Fungal and Insect resistance plants.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.