

2303001301010001
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (BIO TECHNOLOGY) (FIRST
SEMESTER) (NEP)
MAJOR : INTRODUCTION TO BIOTECHNOLOGY - LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 35]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination: **BACHELOR OF SCIENCE (BIO TECHNOLOGY) (FIRST SEMESTER) (NEP)**
- b. Name of the Subject : **MAJOR : INTRODUCTION TO BIOTECHNOLOGY - LEVEL 1**
- c. Subject Code No : **2303001301010001**

2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Short Question/One word answer Any FIVE:

5

- a) Define: Biotechnology
- b) Difference between In situ and Ex situ Bioremediation.
- c) Expand the term: OECD
- d) Differentiate between modern biotechnology and classical biotechnology.
- e) Give importance of Golden Rice.
- f) Who gave the concept of pasteurization?

Q.2 Short note Any Two:

10

- a) Schematic overview of biotechnological process.
- b) Enlist application of biotechnology.

c) Emergence of modern biotechnology.

Q.3 Short note Any Two:

10

a) State objectives and role of GSBTM.

b) Describe STBI initiative: Idea DOODLE Lab.

c) Briefly describe on ABLE.

Q.4 Short note Any Two of the following:

10

a) Write a note on genetic engineering of BT cotton.

b) Enlist merits and demerits of Agriculture Biotechnology.

c) Give applications of environmental biotechnology.
