

B.Sc. Semester - 3 (NEP-2020) Examination**OCT/NOV-2024****BIT: Environmental Biotechnology and Pollution (Multidisciplinary Course)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
-

Que-1 Answer the following questions.

- 1) Write a short note on the types of terrestrial biome grasslands. (05)
- 2) Discuss in brief about nitrogen cycle. (05)

OR

- 1) Explain the interactions within an ecosystem. (05)
- 2) Describe population models of growth. (05)

Que-2 Answer the following questions.

- 1) What is biodegradation, and how does it apply to hydrocarbons (05)
- 2) How are nitrobenzene biodegraded in the environment? (05)

OR

- 1) What is biomagnification? Write its significance in environmental cleanup. (05)
- 2) How acid mine drainage affect the environment. (05)

Que- 3 Answer the following questions.

- 1) What are the physical, chemical, and biological properties of water? (05)
- 2) Describe the secondary waste water treatment processes. (05)

OR

- 1) What are biocontrol agents? State their advantages in agriculture. (05)
- 2) Explain the processes of bioleaching. (05)

Que- 4 Answer the following questions.

- 1) How do endocrine and exocrine glands differ in hormone secretion? (05)
- 2) What are plant hormones? and what are their primary functions? (05)

OR

- 1) What roles do animal hormones play in regulating bodily functions? (05)
- 2) Write in short about types of animal hormones. (05)

Que- 5 Answer the following questions.

- 1) Write the significance of sulfur cycle. (05)
- 2) Explain: Acid rain. (05)

OR

- 1) How bioplastics are developed? (05)
- 2) Short note on Growth hormone of animal. (05)
