

B.Sc. Semester - 6 (NEP-2020) Examination**March/April-2026****BOT: Applied Green Science (Minor-6)****Time: 2:00 Hours****Marks: 50****Instructions:**

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

- Que.1(A) Answer in details (any one) (08)
1. What is hydroponics? Explain its types with a diagram.
 2. Discuss the types, scope, and importance of Biofertilizers.
- Que.1(B) Answer in brief (Any One) (04)
1. Discuss Rooftop and Balcony Organic Farming.
 2. Write the advantages and limitations of bioinsecticides.
- Que.2(A) Answer in details (Any one) (09)
1. Explain the steps involved in waste water treatment in Sewage Treatment Plants.
 2. Explain biogas plant components and the operation of Biogas Plants.
- Que.2(B) Answer in brief. (any one) (04)
1. Write explanatory notes on: Hydrocarbon Cracking.
 2. Explain the key plant traits utilized in phytoremediation.
- Que.3(A) Answer in details (any one) (08)
1. Give the concept of edible vaccines and write the advantages of edible vaccines.
 2. What are the advantages, limitations, and current applications of Single Cell Proteins?
- Que.3(B) Answer in brief (Any One) (04)
1. Explain the Biosynthesis of Ethanol.
 2. Write notes on the Industrial significance of secondary metabolites.
- Que.4(A) Answer in detail (Any one) (09)
1. What is Micropropagation? Write the advantages and disadvantages of Micropropagation.
 2. Give the concept and types of adulterants.
- Que.4(B) Answer in Brief (Any One) (04)
1. Write notes on the Ecological and Environmental benefits of Urban Forestry.
 2. Give the Properties and Manufacture of Biodiesel.
