

The Open University of Sri Lanka
Faculty of Engineering Technology
Department of Agricultural and Plantation
Engineering



Study Programme	: Bachelor of Industrial Studies Honours (Agriculture)
Name of the Examination	: Final Examination
Course Code and Title	: AGI6585/AGI6550 Applications in biotechnology/Advanced biotechnology
Academic Year	: 2020/2021
Date	: 08 th February 2022
Time	: 0930 - 1230hrs
Duration	: 3 hours

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SECTION 2: Answer any four (04) questions.

1. Write an essay on "Biotechnological treatment of wastes" by focusing on following topics.
 - Advantages of the process
 - Disadvantages of the process
 - Main considerations when applying biotechnology in waste treatment
2. a. "Characteristics of inputs have direct impacts on biogas production"
Critically evaluate the statement.
b. Explain the biogas-process.
3. Write an essay on importance of single cell culture in tissue culture industry.
4. Explain the essential components of composting processes.
5. Explain the importance of protoplast isolation and culturing.
6. Discuss the effects of loss of biodiversity in Sri Lanka and its impacts on agricultural biotechnology.

