



The Open University of Sri Lanka
Faculty of Engineering Technology
Bachelor of Industrial Studies Honours (Agriculture) Programme
Final Examination - 2016/2017

AEI6250 Advanced biotechnology

Date : 04 - 12 - 2017
Time : 0930 - 1230 hours
Duration : Three (03) hours

SECTION 2: Answer any four (04) questions.

1. "Sustainable Biogas production depends on may intermittent operations and factors " Critically evaluate this statement.
2. a. What is biofertilizer?
b. Explain the advantages of using biofertilizer and constraints in biofertilizer technology.
3. Discuss the following on haploid production.
 - a. Factors affecting on haploid production
 - b. Uses of haploids
4. Describe the application of genetic modifications on improving crop productivity.
5. Write an essay on safe use of biotechnology to sustain the biodiversity.
6. Write short notes on any two (02) of the following.
 1. Benefits of biopesticides
 2. Biomass converting Plant species
 3. Development of ornamental fish colour enhancement feeds
 4. Embryonic stem cell gene transfer