

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



Study Programme	:Bachelor of <i>Technology</i> in <i>Agricultural Engineering</i>
Name of the Examination	:Final Examination
Course Code and Title	:AGX4404 Crop Technology
Academic Year	:2023/2024
Date	:15 th February 2025
Time	:13.30-16.30

SECTION II: Answer any four (04) questions

- (1) (a) What are the methods of cropping in settled agriculture?
(b) Briefly discuss the modern approach to organic farming.
- (2) (a) What is meant by plant disease management?
(b) Briefly explain the importance of using eco-friendly pests and disease control methods in vegetable cultivation.
- (3) (a) What are the management practices associated with dryland farming?
(b) Briefly outline the factors (criteria) to be considered when land levelling for crop cultivation?
- (4)(a) What are the non-circulating methods in hydroponics?
(b) Briefly outline the importance of hydroponics technique in crop production.
- (5) (a) What are the sustainable agricultural practices?
(b) Briefly outline the advantages of modern agriculture.
- (6) Write short notes on any two (02) of the following
 - i. Advantages of using Bio-pesticides in vegetable cultivation
 - ii. Problems of modern intensive farming
 - iii. Disadvantages of using inorganic fertilizer