



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

Study Programme	:Bachelor of Industrial Studies Honours in Agriculture
Name of the Examination	:Final Examination
Course Code and Title	: AGI3552 Crop Production and Technology
Academic Year	:2024/2025
Date	:9 th February 2026
Time	:13.30-16.30hrs
Duration	: 3 hours



Registration No:

Index No.....

General Instructions

1. Read all instructions carefully before answering the questions
2. This question paper consists of two sections.

SECTION 1

Contains FIFTEEN (15) questions. You are required to answer all questions. Answers should be written in the space provided for each question. No additional paper is provided. You may spend about **one hour** to answer this section.

SECTION 2

Contains SIX (06) essay type questions. You are required to answer ONLY FOUR (04) questions. You may spend about **two hours** to answer the questions in this section.

3. It is EXTREMELY IMPORTANT that you do not remove the SECTION I of the question paper from the examination hall.
4. Please note that you should write your registration number in the space provided above.
5. This is a Closed Book Test (CBT).

SECTION I: Answer all questions. Use the space given under each question

1. Define the term "Photosynthesis".

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2. What are the three (03) main methods of paddy growing?

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3. What is meant by Arable farming?

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4. What are the key elements of "Dryland" farming?

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5. What is the family and botanical name of Rubber plant?

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6. (a) How do you identify “Downey mildew” in Tomato cultivation?
(b) Give two (02) eco-friendly control measures.

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7. What is the botanical name of Manioc? Give two (02) recommended varieties.

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8. Give four (04) main Solanaceous vegetables grown in Sri Lanka with their botanical names.

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9. Give four (04) main types of Biofertilizers.

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10. What are the four (04) main weed controlling methods?

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11. Write the botanical names of three (03) main spice crops grown in Sri Lanka with their economically important part.

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12. Name three (03) methods of cropping in settled agriculture.

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13. Define the term "Disease Triangle".

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14. Agricultural seeds can be classified into four main groups. What are they?

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15. List five (05) problems of modern intensive farming

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SECTION II: Answer any four (04) questions

- (1) (a) What is meant by Agronomy?
 (b) Briefly outline the basic principles of agronomy.
- (2) (a) What are the ways that soil loss nutrients?
 (b) Briefly explain the methods of fertilizer application in crop production.
- (3) (a) What is organic farming?
 (b) Briefly outline the components of organic farming.
- (4)(a) What are the main characteristics of weeds?
 (b) Briefly outline the importance of proper weed management in crop fields.
- (5) (a) What is meant by modern agriculture?
 (b) Briefly outline the advantages of hydroponics culture compared to open field agriculture.
- (6) Write short notes on any two (02) of the following
 - i. Objectives of tillage in crop production
 - ii. Management practices of dryland farming areas
 - iii. Advantages of using Bio-fertilizers