

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	: AGI5274 Fruit Crops & Cut Flower Production
Academic Year	:2024/2025
Date	:4 th March 2026
Time	:09.30-12.30hrs
Duration	:03 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 Index number/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 "Hybrid" in fruit crops and cut flower production.

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2. What are the three (03) main types of *Anthuriums* according to their usage?

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3. What is meant by "Harmony" in landscape designs?

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4. How do you identify "Bacterial Soft Rot" in fruit crops cultivation and give two (02) eco-friendly control measures.

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5. Give two (02) main characteristic features of "Phalaenopsis" type orchids.

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6. What is meant by “Community pots” in orchid cultivation?

7. State the criteria adopted in selecting cut flower types for breeding.

8. How do you identify KEW type Pineapple in the market?

9. What are the government institutions responsible for transfer of technology to fruit growers?

10. How do you identify “Bumpy fruit disorder” in papaya cultivation?

11. State the botanical name of “Jack fruit” and give two (02) value added products of it.

12. Define the term “Flower induction” in Pineapple cultivation.

13. State the botanical name of “Avocado” and state two (02) improved varieties.

14. What are the most common propagation methods used in fruit crops cultivation?

15. How do you identify “Fruit fly” attack in fruit crop cultivation and write two (02) eco-friendly control methods.

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SECTION II: Answer any four (04) questions

- (1) (a) What is the potential of cut flower trade in Sri Lanka?
(b) Briefly outline the areas suitable for cut flower production in Sri Lanka based on agro-climatic zones.
- (2) Briefly explain the importance of following on successful fruit crop industry.
 - (a) Selection of improved varieties/hybrids
 - (b) Harvesting the fruits at correct maturity stage
- (3) (a) How do you classify the orchids grown in Sri Lanka?
(b) Briefly outline the important steps of propagation of orchids (by seeds) in the tissue culture laboratory.
- (4) (a) What is meant by underutilized fruit crops?
(b) "Sri Lanka has a great potential to earn foreign exchange by exporting underutilized fruits". Critically evaluate the statement
- (5) (a) What are the basic principles in landscaping?
(b) Briefly outline the importance of following basic principles in landscaping.
- (6) Write short notes on any two (02) of the following
 - i. Export standards of Anthurium flowers
 - ii. Yield management of Passion fruit
 - iii. Importance of container planting in urban agriculture