



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/ Bachelor of Science Honours in Engineering (Agricultural Engineering)
Name of the Examination	:Final Examination
Course Code and Title	: AGX5415 Horticulture and Landscape Technology
Academic Year	:2024/2025
Date	:7 th February 2026
Time	:13.30-16.30
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 write your Registration number and Index 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. What is the basic purpose of Landscaping?

2. How do you recognise “Japanese” garden?

3. What are the main utilitarian ways of plants use in landscaping?

4. Give three (03) basic types of Greenhouses.

5. Define the term “Floriculture”.

6. Name four (04) main primary considerations for selecting plants for landscaping.

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7. State five (05) major classes of plant hormones.

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8. List five (05) key features of informal style gardens.

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9. What is meant by "Arboretum"?

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10. Name three (03) main herbaceous ornamental plants use in landscaping.

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11. State the botanical names of following Lawn grasses.

(I) Burmuda grass

(II) Buffalo grass

(III) Blue grass

12. What are the main reasons of pruning in landscaping?

13. State five (05) main features of Italian gardens.

14. Name three (03) main categories of trees use in landscaping.

15. What are the disadvantages of using trees in roadscapeing?

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SECTION II: Answer any four (04) questions

- (1) (a) What are the factors to be considered in locating a greenhouse?
 (b) Briefly outline the advantages of using green houses in commercial horticulture.
- (2) (a) What are the goals of landscape horticulture?
 (b) Briefly discuss the functional uses of plants in landscaping.
- (3) (a) What is meant by Landscape design?
 (b) Briefly discuss the major steps in developing a landscape design.
- (4) (a) What is the classification of Hydroponics culture?
 (b) Briefly outline the importance of using Hydroponics culture in commercial horticulture
- (5) (a) What is meant by Olericulture?
 (b) Briefly discuss the problems in Sri Lanka to produce horticultural products for export market.
- (6) Write short notes on any two (02) of the following
 - i. Importance of lawns in landscaping
 - ii. Main components of landscaping
 - iii. Importance of using container plants in urban agriculture