

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
HORTICULTURE**

HORT 463: LANDSCAPE DESIGN, CONSTRUCTION AND MAINTENANCE

STREAMS: BSC HORT. Y4S2

TIME: 2 HOURS

**DAY/DATE: THURSDAY 23/09/2021
P.M.**

11.30 A.M – 1.30

INSTRUCTIONS:

- The paper contains section A&B
- Answer all questions in section A and any two from section B
- Marks for each question are indicated in parenthesis ()
- Total marks = 70

SECTION A (30 MARKS)

- Describe the different ways by which simplicity can be achieved in a landscape design. (2 marks)
 - Describe how a landscaper creates rhythm in a landscape design. (2 marks)
- What was the contribution of the work done by medieval monasteries and ancient Egyptians to the development of landscape design?
 - The medieval monasteries (5 marks)
 - The ancient Egyptians (5 marks)
- Differentiate topiary pruning and bonsai development as special training techniques for landscaping plants.

(6 marks)

- (b) Discuss the factors to consider in selecting the correct surfacing material. (4 marks)

4. The development of a residential landscape plan requires several steps one of which is site analysis. Discuss the major factors of which a thorough site analysis should include.

(6 marks)

SECTION B (40 MARKS) ANSWER ANY TWO QUESTION

5. (a) Describe application of design principles in development of aesthetically appealing design landscapes. (12 marks)

(b) Explain how the different landscape elements are applied in landscaping process.

(8 marks)

6. (a) Discuss why it is important to interview the owner/s of the property at planning stage of landscape design. (10 marks)

(b) Discuss why a client would prefer to use hardscape in landscaping of institution boarders. (10 marks)

7. (a) Outline the key aspects of landscape maintenance. (8 marks)

(b) Technology necessitate development of creativity in landscaping. Justify this statement. (12 marks)
