

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

HORT 424: PLANT NURSERY MANAGEMENT

STREAMS:

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 4/12/2019

8.30 A.M – 10.30 A.M

INSTRUCTIONS

Answer all questions in section I and any two in section II

SECTION I (30 MARKS) ANSWER ALL QUESTIONS

- Q1. Describe the critical requirements that qualify a container for use in nursery propagation activities. [8 marks]
- Q2. (a) Describe ways through which a compact, bushy growth can be achieved to produce plants with greater stability and more attractive appearance in a nursery. [4 marks]
(b) Describe briefly four characteristics that should be considered when selecting stock plants. [4 marks]
- Q3. A farmer is involved in exportation of nursery stock plants. Outline the considerations that should be put in place when selecting, treating and shipping the stock overseas. [6 marks]
- Q4. (a) Briefly explain non chemical fumigation methods that can be used in a nursery for sterilization of soil and growing media. [4 marks]
(b) Describe ways through which the nursery manager can keep the plants in peak condition after they are ready for sale before the market is ready to buy them. [4 marks]

SECTION II (40 MARKS)

- Q5. (a) Describe the factors a nursery entrepreneur should consider while selecting a nursery site location. [12 marks]
- (b) Discuss the activities nursery operators should take into consideration when revamping an existing nursery. [8 marks]
- Q6. (a) Chuka nursery enterprises is planning to start a nursery. Describe the criteria the entrepreneur can use to select sustainable nursery plants. [12 marks]
- (b) A plant library is a collection and preservation of plants and specimens in different forms. Explain to nursery operators how they can create a plant library. [8 marks]
- Q7. (a) Discuss the indicators that a nursery operator can use to assess the nursery productivity. [12 marks]
- (b) Discuss the reasons why nursery operators should propagate their nursery stock vegetatively. [8 marks]
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