

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR  
OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

HORT 331: EXOTIC VEGETABLES I

STREAMS: B.Sc (AGED) (Y4S1)

TIME: 2 HOURS

DAY/DATE: THURSDAY 7/12/2017

11.30 A.M - 1.30 P.M.

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INSTRUCTIONS:

- Answer ALL Question in Section A and any other TWO in Section B

SECTION A [TOTAL 30 MARKS]

QUESTION ONE

Explain methods used in vegetable propagation. [5 Marks]

QUESTION TWO

Briefly discuss common physiological disorders in Asparagus. [6 Marks]

QUESTION THREE

(a) Distinguish the various types of lettuce and their characteristic features. [6 Marks]

(b) Explain symptoms and control measures of Root Knot nematode. (*Meloidogyne ssp*) in French beans. [4 Marks]

QUESTION FOUR

(a) Briefly discuss symptoms of bacterial soft rot in cabbages. [5 Marks]

(b) Discuss steps in post-harvest handling of Asparagus. [4 Marks]

SECTION B [40 TOTAL MARKS]

QUESTION FIVE

(a) Discuss the harvesting stages for tomatoes for the various markets. [10 Marks]

(b) Elaborate on symptoms of early blight in tomatoes and control methods. [10 Marks]

**QUESTION SIX**

Briefly discuss on the following topics

- (a) Ecological requirements in Asparagus. [10 Marks]
- (b) Climate and soil requirements of carrots. [10 Marks]

**QUESTION SEVEN**

Write brief notes on the following:

- (a) Soil and fertilizer requirements for bulb onions. [10 Marks]
- (b) Climatic requirements for French beans. [10 Marks]

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