

CHUKA



UNIVERSITY

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

HORT 342: FRUIT CROPS

STREAMS:

TIME: 2 HOURS

DAY/DATE: MONDAY 4/12/2017

11.30 A.M – 1.30 P.M

INSTRUCTIONS:

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

SECTION A (30 MARKS)

1. Explain the following with respect to fruit production.
 - (i) Quincunx orchard layout [3marks]
 - (ii) Avocado grading according to Kakuzi ltd ranges from size 12 -32. Calculate the weight of the fruit in size 16 category. [5marks]
2. Write short notes on the following ;
 - (i) Procedure involved in planting fruit trees. [5marks]
 - (ii) Giving an illustration explain the Q10 theory. [5marks]
3. Explain the symptoms of citrus greening as manifested in both leaves and fruits. [6marks]
4. Describe the important operations in banana growing. [6marks]

SECTION B: (40MARKS) ANSWER ANY TWO QUESTIONS

5. (i) Describe the sexual and asexual propagation of avocado. [10marks]
(ii) Briefly discuss pruning techniques and training systems employed in fruit production. [10marks]
6. (i) Describe the climatic conditions, soil and water management in papaya production. [12 marks]
(ii) Discuss mechanism of breaking dormancy in temperate fruits. [8marks]
7. (i) Discuss the opportunities in fruit growing. [10marks]
(ii) Give a detailed explanation of the factors that affect fruit distribution in Kenya. [10marks]
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