

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN HORTICULTURE

HORT 342: FRUIT PRODUCTION

STREAMS: B.Sc (AGED) Y4S1

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 5/12/2018

2.30 P.M - 4.30 P.M.

INSTRUCTIONS:

- This examination has two sections A and B.
- Answer ALL Questions in Section A and any TWO Questions in Section B.
- Marks for each question are indicated in parenthesis
- Total marks = 70

SECTION A: [30 MARKS] - ANSWER ALL QUESTIONS

1. (a) Outline the general characteristics of fruits. [5 Marks]
(b) Briefly explain why it is not advisable to prepare holes for fruit production during the rainy season. [3 Marks]
2. (a) Describe the main components of fruit tree nursery. [4 Marks]
(b) Outline the key aspects to consider while planning and planting a new mango orchard. [6 Marks]
3. Describe the factors to consider in spacing of pawpaw fruit tree. [7 Marks]
4. Describe the methods of weed control in fruit orchards. [5 Marks]

SECTION B: [40 MARKS] - ANSWER ANY TWO QUESTIONS

5. (a) Discuss the probable causes of unfruitfulness in citrus fruit orchards. [10 Marks]
(b) Discuss the various methods of inducing fruitfulness. [10 Marks]
6. (i) Describe the botany of avocado. [7 Marks]

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(ii) Describe the ecological and cultural practices in avocado production. [13 Marks]

7. (i) Giving examples, describe the post-harvest indices that could guide harvesting of various fruits. [10 Marks]

(ii) Describe methods that could be used to mitigate post-harvest losses. [10 Marks]

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