



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES**

**THIRD YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE
OF BACHELOR OF SCIENCE IN HORTICULTURE**

2016/2017 ACADEMIC YEAR

REGULAR

COURSE CODE: AHT 3312

COURSE TITLE: TROPICAL AND SUB TROPICAL FRUITS

EXAM VENUE: LR 5

STREAM: BSc. (Horticulture)

DATE: 21/12/16

EXAM SESSION: 9.00 – 11.00 AM

TIME: 2 HOURS

INSTRUCTIONS:

- 1. Answer ALL questions in Section A and ANY 2 questions in section B**
- 2. Candidates are advised not to write on question paper**
- 3. Candidates must hand in their booklets to the invigilator while in the examination room.**

SECTION A [30 MARKS]

Answer ALL questions from this section

1. State the economic importance of Avocado [5 marks]
2. Write down the Botanical names of each of the fruits below:
 - a) Guava [1 mark]
 - b) Papaya [1 mark]
 - c) Pineapples [1 mark]
 - d) Grapes [1 mark]
 - e) Strawberries [1 mark]
3. Name six species of the cultivated citrus (give both the common and botanical names) [6 marks]
4. List down five characteristics of the Papaya that are preferred, and thus bred for [5 marks].
5. Briefly state the general challenges of tropical and subtropical fruit production in Kenya [5 marks]
6. State four general characteristics of tropical fruits that have to be considered during postharvest handling [4 marks]

SECTION B [40 marks]

Answer ANY TWO questions

7. Discuss the Banana under the following topics
 - a) Botanical name [1 mark]
 - b) Ecological requirements [4 marks]
 - c) The cultivation practices [5 marks]
 - d) Three important diseases affecting the banana and their management [10 marks]
8. Discuss the Mango under the following headings
 - a) Economic importance [5 marks]
 - b) Botanical characteristics [5 marks]
 - c) List down 5 varieties grown in Kenya [5 marks]
 - d) Postharvest handling of mangoes [5 marks]
9.
 - a) Discuss the cultivation practices for passion fruits [10 marks]
 - b) What are the different cultivars grown in Kenya [3 marks]
 - c) Briefly describe the breeding work for passion fruit in Kenya [5 marks]
 - d) State 2 major challenges faced in passion fruit production in Kenya [2 marks]