

**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 STREAM: BSC HORTICULTURE**

**DATE: EXAM SESSION:**

**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:
3. Guava [1 mark]
4. Papaya [1 mark]
5. Pineapples [1 mark]
6. Grapes [1 mark]
7. Stawberries[1 mark]
8. Name six species of the cultivated citrus (give both the common and botanical names) [6 marks]
9. List down five characteristics of the Papaya that are preferred, and thus bred for [5 marks].
10. Briefly state the general challenges of tropical and subtropical fruit production in Kenya [5 marks]
11. 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**

1. Discuss the Banana under the following topics
2. Botanical name [1 mark]
3. Ecological requirements [ 4 marks]
4. The cultivation practices [5 marks]
5. Three importantdiseases affecting the banana and their management [10 marks]
6. Discusss 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]

1. 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]