



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

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

**2019/2020 ACADEMIC YEAR**

**REGULAR**

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**COURSE CODE: AHT 3326**

**COURSE TITLE: Temperate Fruits**

**EXAM VENUE:**

**STREAM: BSc. Horticulture.**

**DATE:**

**EXAM SESSION:**

**TIME: 2 HOURS**

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**Instructions:**

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

**SECTION A [30 MARKS]**

**Answer ALL questions from this Section.**

1. List at least three (3) Counties in Kenya growing temperate fruits giving examples of the popular temperate fruits grown. **(3 Marks)**
2. Explain the concept of a temperate climate. **(4 Marks)**
3. Describe the challenges faced by growers of temperate fruits in Kenya **(6 Marks)**
4. Describe the characteristics of pome fruits with examples. **(4 Marks)**
5. Illustrate “open centre pruning” in fruit trees **(3 Marks)**
6. Strawberry production is popular in urban vertical gardens, discuss why they fail to thrive. **(4 Marks)**
7. Outline ways to overcome self-incompatibility in temperate fruits. **(3 Marks)**

**SECTION B [40 MARKS]**

**Answer ANY TWO questions from this section.**

8. After graduation you are posted to a highland area and the farmers express interest in growing pears. Discuss pear production as an extension officer in Kenya. **(20 Marks)**
9. Describe dormancy of temperate fruits and at least five ways used to overcome it. **(20 Marks)**
10. Describe the cultural practices in a newly planted temperate fruit orchard. **(20 Marks)**