



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE IN
HORTICULTURE.
4th YEAR 1ST SEMESTER 2016/2017 ACADEMIC YEAR
REGULAR

COURSE CODE: AHT 3415

COURSE TITLE: NUTS, BEVERAGES AND MEDICINAL PLANTS:

EXAM VENUE: LR 4

STREAM: BSc. Horticulture

DATE: 14/12/16

EXAM SESSION: 2.00 – 4.00 PM

TIME: 2 HOURS

Instructions

- 1. Answer ALL questions in Section A (compulsory) and ANY TWO questions in Section B**
 - 2. Candidates are advised not to write on the question paper**
 - 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**
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SECTION A [30 MARKS]

Answer ALL questions in this section

1. Discuss coffee beans harvesting and how to improve on beans final quality. (5Marks)
2. Distinguish between cutting back and pruning of *Coffea liberica*. (2 marks)
3. As a supervisor at a cashew nuts plantation, you observed brown-black gummy frass on the trunk and main branches of the tree. What could be affecting your crops and how do you control them? (5 Marks)
4. Explain how tea is brought into bearing? (5 Marks).
5. Describe how the nut borer affects macadamia. (3 marks)
6. In sugar cane production, there is ratooning of the crop. What is ratooning and outline its advantages and disadvantages. (5 Marks)
7. Describe briefly how *Chrysanthemum cinerariaefolium* flowers are picked. (5 Marks)

SECTION B [40 MARKS]

Answer ANY TWO questions from this section

8. Discuss the pest and diseases that affect coffee production in East Africa. (20 Marks).
9. Describe the agro climatic and edaphic factors required in the cultivation of pyrethrum. (20 Marks)
10. Discuss *Agave sisalana* cultivation and its economic importance (20 Marks).
11. Discuss :
 - a) Principles that should be adhered to when setting up a tea nursery using cutting (10 Marks)
 - b) Pests and diseases of sugarcane. (10 Marks).