



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURE 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 3313

COURSE TITLE: CUT-FLOWERS

EXAM VENUE: LR 5

STREAM: (BSc. Horticulture)

DATE: 21/12/16

EXAM SESSION: 2.00 – 4.00 PM

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in Section A and Any two 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

1. Describe the international cut flower trade with may actors (4 mark)
2. Describe the production schedule for export cut flowers in Kenya. (4 marks)
3. Explain the following concepts in cut flower production
 - a. Pinching (2 marks)
 - b. Stenting (2 marks)
 - c. Cool chain (2 marks)
4. The rose is one of the most important cut –flowers worldwide, give
 - a. Types of roses (2 marks)
 - b. Climatic requirements for roses (2 marks)
 - c. Crop protection in roses (4 marks)
 - d. Pretreatments and preservatives used in post harvest of roses (2 marks)
5. Explain the Floriculture Sustainability Initiative (FSI) and the give the institutions involved in regulation.. (6 marks)

SECTION B

6. Describe the commercial cut flower production of ONE the following; Alstoemia, carnations or lilies. (20 marks)
7. Discuss the key elements to consider about greenhouse production in Kenya
 - a. Location, size and type of structure (5 Marks)
 - b. Type of framing material and covering (5 Marks)
 - c. Water quality and fertigation (10 Marks)
8. Describe the Kenya cut flower cluster and give the roles of the following institutions within the cluster
 - a. Kenya Flower Council, (5 Marks)
 - b. The Horticultural Crops Directorate , (5 Marks)
 - c. The Lake Naivasha Riparian Association and (5 Marks)
 - d. Fresh Produce Exporters Association of Kenya. (5 Marks)