



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION AND EDUCATION
AND BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT
2017/2018 ACADEMIC YEAR**

REGULAR

COURSE CODE: APT 3413

COURSE TITLE: HORTICULTURAL CROP PRODUCTION

EXAM VENUE: LAB 19

STREAM: (BSC. Agric. Ext. Educ. & BSC. Agric. Mgt.)

DATE: 19.12.17

EXAM SESSION: 2.00 – 4.00PM

TIME: 2 HOURS

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 in this section

- 1a. Discuss economic importance of horticulture in Kenyan economy. [10 Marks].
- b. Explain the effect of light and temperature on horticultural production. [10 marks].
- c. Highlight the historical development of horticulture. [10 marks].

SECTION B

40 Marks

Answer ANY TWO Questions in this section

- 2a. Explain the challenges farmers who grow fruits and vegetables are experiencing. [10 Marks]
 - b. Explain international market requirements for fresh horticultural produce from Kenya. [10 Marks]
- 3a. The primary solution to the human nutrition and food supply is to increase productivity at small farm level involving intensification of horticulture. Explain. [12 Marks]
 - b. Explain the concept “Good Agricultural Practices (GAP) works and how can farmers satisfy what Kenya – GAP requires. [8 Marks]
4. Explain the following in horticulture:
 - a. Approach to sustainable horticultural production [10 Marks]
 - b. Kenya’s initiatives to horticultural growth [10 Marks]