

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

FOURTH YEAR FISRT SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION EDUCATION AND DEGREE OF BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT 2023/2024 ACADEMIC YEAR

SIAYA

COURSE CODE: APB 9405

COURSE TITLE: HORTICULTURAL CROP PRODUCTION

EXAM VENUE: STREAM BSC. (AGED, AGRBUS.

MGT)

DATE: EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and B and ANY 2 Questions in section C
- 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.

b. Discuss integrated pest management (IPM) in horticulture.

[5 marks]

3. Explain the effects of climatic factors of temperatu	re and light on horticultural
production.] 8 MARKS]

- 4. Enumerate the advantages of protected horticultural production. [6 MARKS]
- 5. Outline the beneficial effects of **Fertigation** in horticultural crop production.

[6 MARKS]

SECTION C [20 MARKS]

Answer ANY TWO questions in this section

- 6. Discuss the economic contribution of horticulture in Kenyan economy. [10 marks]
- 7. For a named horticultural crop, describe the following:
 - a. Varieties grown
 - b. Training and pruning practices or cultural practices
 - c. Harvesting and post-harvest handling. [10 Marks]
- 8. Discuss the concept of Good Agricultural Practices (GAP) as a strategy in climate change mitigation and adaptation with relevance to horticultural crop production. [10 Marks]