



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY

DEPARTMENT OF BIOLOGICAL SCIENCES

**SCHOOL OF BIOLOGICAL, PHYSICAL, MATHEMATICS AND ACTUARIAL
SCIENCES**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCES
IN BIOLOGICAL SCIENCES**

2nd YEAR 1st SEMESTER 2022/2023 ACADEMIC YEAR

MAIN CAMPUS - REGULAR

COURSE CODE: SBB 1207
COURSE TITLE: ECONOMIC BOTANY
EXAM VENUE: STREAM: (BSC/BED.SC)
DATE: EXAM SESSION:
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**
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SECTION A: SHORT ANSWER QUESTIONS (30 MARKS)

1. Describe three industrial products from plants (3 marks)
2. Explain the significance of crop breeding (3 marks)
3. Describe factors that have contributed to low production of fiber crops in Kenya (3 marks)
4. Highlight three categories of food crops grown in Kenya (3 marks)
5. Explain the difference between economic botany and economically useful plants (3 marks)
6. Outline the role of plants in phytoremediation (3 marks)
7. Describe the steps in hybridization (3 marks)
8. Outline the role of plants as sources of food and feed (3 marks)
9. Describe the significance of traditional food crops in Kenya (3 marks)
10. Highlight three crucial traits that have been improved by crop breeding (3 marks)

SECTION B: ESSAY QUESTIONS (40 MARKS)

11. Describe the role of three traditional grain legumes in food and nutritional security in Kenya (20 marks)
12. Highlight challenges associated with modern methods of crop breeding (20 marks)
13. Discuss the significance of three industrial crops in Kenya (20 marks)
14. Discuss the future global prospects of medicinal plants (20 marks)