



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY
SCHOOL OF BIOLOGICAL, PHYSICAL, MATHEMATICS AND ACTUARIAL SCIENCES
UNIVERSITY SPECIAL EXAMINATIONS FOR THE DEGREE OF BACHELOR OF
BIOLOGICAL SCIENCES
SECOND YEAR FIRST SEMESTER ACADEMIC YEAR 2020/2021
MAIN CAMPUS - REGULAR

COURSE CODE: SBI 3215
COURSE TITLE: ECONOMIC BOTANY
EXAM VENUE: **STREAM: (BIO)**
DATE: **EXAM SESSION:**
TIME:

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) With examples, describe the two main classes of plant metabolites (3 marks)
- 2) a. Explain what rubber is? (1 mark)
b. Describe two methods of rubber vulcanization. (2 marks)
- 3) Name three dyes indicating their sources and uses. (3 marks)
- 4) Describe the process of making jute fiber. (3 marks)
- 5) Distinguish between palm oil and palm kernel oil. (3 marks)
- 6) What are the desirable effects of caffeine present in stimulating beverages (3 marks)
- 7)
 - i) Explain what pseudo cereals are? (1 mark)
 - ii) Give two examples of pseudo cereals and their uses (2 marks)
- 8) Giving examples, distinguish between fumitories and masticatories (3 marks)
- 9) Elucidate why cereals are preferred as sources of food. (3 marks)
- 10) Name and give the uses of three maize varieties grown in Kenya.(3 marks)

SECTION B: ESSAY QUESTIONS (40 Marks)

- 11) Write an essay on beverages. (20 Marks)
- 12) Discuss rubber, gum, tannins and dyes as plant products of economic value. (20 marks)
- 13) Discuss botanical sources of oil (20 Marks)
- 14) Write an essay on earth vegetables. (20 Marks)