
CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF DOCTOR OF PHILOSOPHY
IN BOTANY**

BOTA 941: ECONOMIC BOTANY

STREAMS: PhD (BOTANY)

TIME: 3 HOURS

DAY/DATE: THURSDAY 19/12/2019

2.30 P.M. – 5.30 P.M.

INSTRUCTIONS:

- Answer any **THREE** questions.

QUESTION 1

- (a) Discuss the five classes of natural plant products. (10 marks)
- (b) Explain the approaches to the analysis of plant-derived natural products. (10 marks)

QUESTION 2

Discuss the opportunities and challenges for ethno botany in the 21st century. (20 marks)

QUESTION 3

Explain how plant essential oils are extracted. (20 marks)

QUESTION 4

Discuss the alternative uses of sugarcane and its byproducts in agro industries. (20 marks)

QUESTION 5

Discuss the economic importance of algae. (20 marks)
