

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE

BOTA 342: ECONOMIC BOTANY

STREAMS: BSC

TIME: 2 HOURS

DAY/DATE: TUESDAY 06/04/2021

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- Answer ALL questions in section A and TWO questions in section B
- Do not write on the question paper
- Answer each question on a fresh page

SECTION A: SHORT ANSWER QUESTIONS (30 MARKS)

1. Give five reasons why cereals are the highly produced food crops in the world [5 marks]
2. Highlight five significance of studying the centre of diversity of some key crops [5 marks]
3. Last five classes of plant pigments of economic importance [5 marks]
4. (a) Fill the table below with the right centre of origin for the crop indicated on the left [2 marks]

Crop	Centre of origin
<i>Cassava</i>	
<i>Lycopersicon esculentum</i>	
Millet	
<i>Oryza sativa</i>	

- (b) List three criteria used in selecting the centre of origin of a crop [3 marks]

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5. Outline five economic importances of plant toxins to humans [5 marks]
6. Describe five groups of plant derived pesticides [5 marks]

SECTION B: ESSAY QUESTIONS (40 MARKS)

7. Discuss the role of plant and plant products to the world economy [20 marks]
8. Write an essay on conservation of plant germplasm [20 marks]
9. (a) Describe various plant metabolites with medicinal attributes [10 marks]
- (b) Discuss threats facing the medicinal plants of East Africa [10 marks]
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