

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

THIRDYEAR EXAMINATION FOR THE AWARD OF DEGREE OF
BACHELOR OF SCIENCE (AGRICULTURE)

AGRI 351: ANNUAL CROPS

STREAMS: BSC (AGRIC)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 06/12/2017

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- This paper has two sections A and B
- Section A accounts for 30 marks while section B accounts for 40 marks
- Section A is compulsory
- Answer any two questions in section B

SECTION A

1. (a) Explain the term 'annual crop' giving examples. [2 marks]
(b) Distinguish between the following terms, primary cultivation and secondary cultivation. [4 marks]
2. Explain why late planting leads to low yields. [6 marks]
3. Describe the three main stages suitable for maize harvesting. [6 marks]
4. Discuss maize lethal necrosis disease under the following subheading
 - (a) Cause of the disease [3 marks]
 - (b) Disease symptoms [4 marks]
 - (c) Control options [5 marks]

SECTION B

5. (a) Describe the factors affecting wheat production in Kenya. [8 marks]
(b) Discuss crop improvement research being undertaken in rice production. [12 marks]
6. (a) Discuss the steps involved in sunflower oil processing. [12 marks]
(b) Describe the production constraints affecting cotton production in Kenya. [8 marks]

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7. (a) Describe pre-sprouting of potato tubers and its importance. [12 marks]
(b) Describe characteristics of legume crops and give examples. [8 marks]
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