



(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR

SECOND YEAR 1ST SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE AND
BIOTECHNOLOGY & BACHELOR OF SCIENCE IN AGRICULTURE
EDUCATION AND EXTENSION**

COURSE CODE: SAB 234/236
COURSE TITLE: ANNUAL CROPS

DATE: 3RD OCTOBER 2018

TIME: 8 – 10 AM

INSTRUCTIONS TO CANDIDATES

Answer Question ONE and ANY other TWO Questions.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

- 1 (a). Indicate the scientific names of the following crops (1 Mark)
- i) Maize (1 mark)
 - ii) Wheat (1 Mark)
 - iii) Barley (1 Mark)
 - iv) Field beans (1 Mark)
 - v) Cow peas (1 Mark)
- (b) Indicate the following:
- i) Notorious weed in wheat (1 Mark)
 - ii) Serious pest of maize (1 Mark)
 - iii) Two diseases of economic importance in barley (2 Marks)
 - iv) One disease of agronomic importance in grain legumes (1 Mark)
- (c) Explain the pathogen that causes wheat rust (2 marks)
- (d) Identify and briefly explain 3 methods that are used for crop protection under Integrated Pest Management (3 Marks)
- (e) State and explain 4 storage pests that attack grain cereals and legumes at storage level (3 Marks)
- (f) Discuss important uses of the following crops
- i) Cow peas (2 Marks)
 - ii) Barley (2 Marks)
 - iii) F/ millet (2 Marks)
 - iv) Oats (2 Marks)
- (g) Identify the optimal production yield of the following crops:
- i) Maize (1 Mark)
 - ii) Sorghum (1 Mark)
 - iii) Field beans (1 Mark)
 - iv) Chick pea (1 Mark)

2. Discuss oats in relation to crop establishment and field management (20 marks)

3. Discuss rust in wheat indicating its causal agent, symptoms and management (20 marks)

4. In relation to maize crop, explain the following aspects;

- (i) Thinning
- (ii) Fertilizer application.

(5 marks)

(15 marks)