



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

**FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN HORTICULTURE,
AGRONOMY, SOIL SCIENCE, AGRICULTURE EDUCATION
AND EXTENSION, AGRICULTURAL ECONOMICS, AGRI-
BUSINESS, AND AGRIBUSINESS AND EDUCATION WITH
INFORMATION TECHNOLOGY**

MAIN CAMPUS

AAG 101: INTRODUCTION TO AGRICULTURE IN KENYA

Date: 8th December, 2016

Time: 8.30 - 11.30 am

INSTRUCTIONS:

- Answer ALL questions in SECTION A and any other TWO questions from SECTION B.



MAIN CAMPUS

AAG 101: INTRODUCTION TO AGRICULTURE IN KENYA

Date:

Time:

INSTRUCTIONS:

Answer ALL Questions

1. Is each of the following statements true or false? (10 marks).
 - a. Sorghum was introduced in Kenya by missionaries at the end of 19th century.
 - b. Wheat seed research is conducted at the KALRO research center in Kericho.
 - c. Small scale farmers produce most beans and cabbages in Kenya.
 - d. Plantation crops like coffee can easily fit rotation cropping system.
 - e. Some factors which are responsible for low agricultural production in some parts Kenya are related to traditional shifting cultivation.
 - f. In some African countries agricultural exports have increased despite inadequate production of food crops to feed their increased populations.
 - g. Land agricultural potential is one of the factors determining cropping systems practiced by farmers.
 - h. Kenya is one of the countries considered to be self sufficient in honey
 - i. Potatoes and maize were first cultivated as crops in West Africa in around 10000 years ago.
 - j. Bos indicus cattle of the Sahiwal breed are European native cattle and are reared for milk only.

2.
 - a. Mention any two crops believed to have originated in South America but currently cultivated in Kenya? (4 marks).
 - b. Give any four ways of keeping agricultural production ahead of demand for agricultural products (12 marks).
 - c. What lead to the failure of cash crop farming by African farmers during the early days of colonial government in Kenya? (14 marks).
 - d. Which Kenya Agricultural and Livestock Research Institute (KALRO) center conducts research on sugarcane? (2 marks).

3.

- a. Give any two types of *Bos indicus* cattle indigenous to East Africa that are raised for both milk and meat. (4 marks).
- b. Mention any two factors which lead to settled and localized agriculture as humans turned away from hunting and gathering. (8 marks).
- c. Briefly discuss how agriculture helps to create employment in Kenyan rural communities. (14 marks).
- d. Specify any chicken breed raised for both meat and eggs. (2 marks).