



*(Knowledge for Development)*

# **KIBABII UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**2015/2016 ACADEMIC YEAR**

**SECOND YEAR SECOND SEMESTER**

**MAIN EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURAL  
ECONOMICS AND RESOURCE MANAGEMENT, BACHELOR OF  
SCIENCE IN AGRICULTURE AND BIOTECHNOLOGY, BACHELOR OF  
SCIENCE IN AGRICULTURE EDUCATION AND EXTENSION AND  
BACHELOR OF EDUCATION SCIENCE**

**COURSE CODE: SAB 233**

**COURSE TITLE: PASTURE AND FODDER CROPS**

**DATE: 2<sup>ND</sup> MAY 2016**

**TIME: 9AM – 11AM**

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## **INSTRUCTIONS TO CANDIDATES**

Answer Question One in Section A and Any other TWO (2) Questions in Section B

TIME: 2 Hours



This Paper Consists of 2 Printed Pages. Please Turn Over.

**SECTION A (30mks)**

**Question 1**

- a) Differentiate between over sowing and under sowing as used in pasture production (2 mks)
- b) State and explain three attributes of cultivated pastures (6 mks)
- c) Describe parts of a grass plant (10 mks)
- d) What are the advantages and disadvantages of using annual legumes as livestock pastures? (6 mks)
- e) State and explain factors affecting quality of hay (6 mks)

**SECTION B (40mks)**

**Question 2**

- a) Describe how climatic factors affect pasture growth and development (10 mks)
- b) State and explain factors that enhance forage utilization (10 mks)

**Question 3**

- a) Describe agronomic factors considered during establishment of pasture and forage crops (10 mks)
- b) Discuss pasture and fodder crop improvement strategies (10 mks)

**Question Four**

- a) Describe the process of silage preparation (10 mks)
- b) State and explain management practices carried out in the pasture field to enhance palatability and herbage yield (10 mks)

**END**