# KIBABII UNIVERSITY

## UNIVERSITY EXAMINATIONS
## 2016/2017 ACADEMIC YEAR

## SUPPLEMENTARY EXAM

## FOR THE DEGREE
## OF

**BACHELOR OF SCIENCE INAGRICULTURE AND BIOTECHNOLOGY, BACHELOR OF AGRICULTURE EDUCATION AND EXTENSION, BACHELOR OF SCIENCE IN RENEWEABLE ENERGY, BACHELOR OF SCIENCE IN BIOLOGY**

**COURSE CODE:** SBL 121

**COURSE TITLE: TECHNICAL AND SCIENTIFIC COMMUNICATION SKILLS**

**DATE:** 28/09/2017 **TIME:** 11:30 -1:30 P.M

**INSTRUCTIONS TO CANDIDATES**

Answer QUESTION ONE and any other TWO questions

TIME: 2 Hours

KIBU observes ZERO tolerance to examination cheating

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

**QUESTION ONE:**

a) Can a hypothesis be proven true? Give reasons (4 mks)

b) Give an example of a question that could not be scientifically investigated. (2 mks)

c) Briefly explain how you can think like a scientist. (5 mks)

d) You are a scientist in the Tsavo national park. While in the field, you observe one group of healthy chimpanzees on the north side of the park. On the other side of the park, you find a group of chimpanzees that are mysteriously dying. State two questions you might ask? (5 mks)

e) Define the following terms:

(a) Information (2.5 mks)

(b) Communication (2.5 mks)

f) 'Africa requires genetically modified crops to eliminate persistent food shortages'. Giving reason(s), explain whether the above statement is a hypothesis or a proposition. (5 mks)

g) Distinguish a premise from an inference (4 mks)

**QUESTION TWO:**

Discuss 'fallacious science' providing examples of fallacious arguments and types. (20 mks)

**QUESTION THREE:**

Describe what entails a good scientific publication/article giving examples in each case. (20 mks)

**QUESTION FOUR:**

Discuss the ethical issues that need to be considered when writing a scientific document. (20 mks)

**QUESTION FIVE**:

Describe a scientific method giving relevant examples. (20 mks)