KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS
2015/2016 ACADEMIC YEAR

MAIN 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: 11th May 2016 **TIME:** 2:00 – 4:00 p.m.

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

KIBABII UNIVERSITY observes ZERO tolerance to examination cheating

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

QUESTION ONE:

a. Briefly explain your understanding of the statement "technical and scientific communication". (5 marks)

b. Distinguish between deductive arguments and inductive arguments. (5 marks)

c. Mr. Mwamba has been very efficient in writing scientific reports after attending courses in technical and scientific communication. State whether this is a talent or a skill giving reason(s). (5 marks)

d. Some arguments are often considered fallacious. Justify (5 marks)

e. A scientist outlines the research question 'Are the currently used insecticides effective in suppressing mosquitoes?' Based on this statement, outline the following:
   (i) Hypothesis (2.5 marks)
   (ii) Objective (2.5 marks)

f. State five web platforms commonly used by scientists for social networking. (5 marks)

QUESTION TWO:

Discuss 'Scientific misconduct' (20 marks)

QUESTION THREE:

You are a scientist who has conducted scientific research on the effect of malnutrition on student performance in school. Describe how you would communicate your results to different audiences. (20 marks)

QUESTION FOUR:

Discuss the approach you would apply in verifying the threat of drug addiction and alcoholism among university students. (20 marks)

QUESTION FIVE:

i. Describe the various sections to consider in scientific writing. (11 marks)

ii. Explain in detail the components of scientific arguments. (9 marks)