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(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR

FIRST YEAR 2ND SEMESTER
MAIN EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE
EDUCATION AND EXTENSION, BACHELOR OF SCIENCE
AGRICULTURE AND BIOTECHNOLOGY

COURSE CODE: AAG 121
COURSE TITLE: TECHNICAL AND SCIENTIFIC
COMMUNICATION SKILLS

DATE: 12TH JULY 2021

TIME: 2PM – 4 PM

INSTRUCTIONS TO CANDIDATES

Answer Question ONE and any other TWO Questions.

TIME: 2 Hours

This paper consists of 3 printed pages. Please Turn Over 
KIBU observes ZERO tolerance to examination cheating

QUESTION ONE

Define the following terms: (10marks)

- (i)
 - (a) Communication
 - (b) Skills
 - (c) Scientific thinking
 - (d) Argumentation
 - (e) Fallacy
- (ii) The scientific method is practiced within a context of scientific thinking and scientific (critical) thinking is based on important Principles. Discuss the principles that guide Scientific Thinking (10marks)
- (iii) Briefly explain Five characteristics of Scientific Thinking (10marks)

QUESTION TWO

- (i) Outline Two purposes of an argument as applied in technical and scientific communication (4marks)
- (ii) Describe three steps of analyzing an argument (6marks)
- (iv) Briefly describe Five (5) unethical behaviors and their probable causes in scientific communication (10marks)

QUESTION THREE

- (a) Distinguish between Science writing and Scientific writing (5marks)
- (b) Discuss Four (4) main types of academic/scientific writing(9marks)
- (c) Briefly discuss each of the following 3 skills as applied in scientific thinking;(6marks)
 - i. Inferring
 - ii. Predicting
 - iii. Observing

QUESTION FOUR

- (a) Good technical writing must consider important features. Discuss seven(7) important features of technical writing (14marks)
- (b) Highlight ethical concerns in scientific communication (6marks)

QUESTION FIVE

- (a) Define the term Rhetoric in relation to preparation of scientific documents (4marks)
- (b) Discuss Four (4) Rhetoric guidelines in preparing scientific documents (8marks)
- (c) Highlight eight (8) important characteristics to consider when writing to the audience (8marks)