



(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF EDUCATION SCIENCES

COURSE CODE: SBL 311

COURSE TITLE: RESEARCH METHODS

DATE: 3RD AUGUST 2023

TIME: 8.00 – 10.00 AM

INSTRUCTIONS TO CANDIDATES

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

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

1. a) Differentiate between a concept and a variable. Use appropriate examples where necessary. (5 Marks)
- b) Explain why it is always necessary to analyze the research problem. (5 Marks)
- c) Define the following aspects of research by giving examples as appropriate. (5 Marks)
 - i. general objectives
 - ii. specific objectives
 - iii. hypotheses
- d) Explain any 5 characteristics of a good research report. (5 Marks)
- e) Distinguish between Reliability and Validity as applied in research. Use appropriate illustrations where necessary. (5 Marks)
- f) What are the main points that should be considered for justification of the selected research problem? (5 Marks)
2. a) State any FIVE sources of information in biological science research field (5 Marks)
- b) Describe how the information obtained from the various sources of information during literature review can be summarized on index cards. (5 Marks)
- c) State the basic steps in Presenting and Analyzing data. (10 Marks)
3. Discuss the different types and steps involved in writing research reports. (20 Marks)
4. Describe the various data collection techniques. State their limitations for each technique described. (20 Marks)
5. a) To invest in research is to invest for a better future. Discuss this statement supporting your views with appropriate relevant examples. (15 Marks)
- b) Highlight any FIVE ways of ensuring that your research is of good quality. (5 Marks)