

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE  
OF BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE**

**ENSC 362: RESEARCH METHODOLOGY IN ENVIRONMENTAL STUDIES**

**STREAMS: BSC (ENSC) Y3S2**

**TIME: 2 HOURS**

**DAY/DATE: WEDNESDAY 15/04/2020**

**2.30 P.M. – 4.30 P.M.**

**INSTRUCTIONS:**

- Answer all questions in section A and TWO questions in section B
- Do not write anything on the question paper

**SECTION A (30 MARKS)**

1. Write short notes on the following
  - (a) Descriptive research [3 marks]
  - (b) Null hypothesis [3 marks]
2. Differentiate between the reliability and validity [6 marks]
3. Briefly explain the requirements of any one parametric test [6 marks]
4. Outline the techniques of defining a research problem [6 marks]
5. Briefly explain non probability sampling [6 marks]

**SECTION B (40 MARKS)**

6. Discuss the importance of the internet in literature review [20 marks]
7.
  - (a) Discuss the strengths and weaknesses of closed questionnaires [12 marks]
  - (b) Using an example, discuss the interval scale [8 marks]
8. You have been invited by the ministry of health to help investigate the rising cases of cancer in Meru County. Explain how you would develop a proposal to investigate the issue [20 marks]