

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**THIRD YEAR EXAMINATION FOR THE AWARD OF
BACHELOR OF SCIENCE IN NATURAL RESOURCE MANAGEMENT**

NARE 314: SCIENTIFIC REPORTS WRITING IN NATURAL RESOURCES

STREAMS: BSC (NARE) Y3S1

TIME: 2 HOURS

DAY/DATE: FRIDAY 19/12/2014

2.30 PM – 4.30 PM

INSTRUCTIONS:

Answer all the questions in section A and any two in section B. Section A carries 30 marks and section B carries 40 marks.

SECTION A – 30 MARKS: ANSWER ALL THE QUESTIONS

QUESTION ONE

- (a) Explain scientific literature and distinguish the different types of scientific literature. [4 marks]
- (b) Explain the main types of citations and giving your own examples. [4 marks]
- (c) Differentiate between quoting and paraphrasing and explain when you do paraphrasing in science writing. [2 marks]

QUESTION TWO

- (a) Describe the characteristics of a good scientific research paper. [3 marks]
- (b) Explain the prescribed sequence in which abstract summarizes the major aspects of the entire scientific report. [4 marks]
- (c) Explain the main functions of the introduction in scientific reports. [3 marks]

QUESTION THREE

- (a) Given the following research title “The effect of limited technology in local gold mining on agricultural development in Tharaka-Nithi County”, state: [4 marks]
- (i) The study problem
 - (ii) General objective of the study
 - (iii) A specific objective of the study
 - (iv) An hypothesis of the study
- (b) Explain the fundamental questions that must be answered in the discussion. [4 marks]
- (c) Explain two main reasons of using scientific format in writing scientific research papers. [2 marks]

SECTION B – 40 MARKS: ANSWER ANY TWO QUESTIONS

QUESTION FOUR

- (a) Explain the structure of a typical scientific research paper listing the elements in the order in which they appear in the paper. [10 marks]
- (b) Explain the functions of materials and methods section in scientific research reports. [10 marks]

QUESTION FIVE

- (a) Explain the elements of a suitable and successful project proposal (in a systematic order) [12 marks]
- (b) Discuss the characteristics of good illustrations in scientific reports. [8 marks]

QUESTION SIX

- (a) Explain the most important evaluative question that must be answered in choosing a journal to publish your article. [12 marks]
- (b) Explain the function of results section in scientific research reports and the forms of presenting research data in the section. [8 marks]
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