



KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2015/2016 ACADEMIC YEAR SECOND YEAR SECOND SEMESTER MAIN EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIORESOURCES
MANAGEMENT AND CONSERVATION**

COURSE CODE: SBC 121

COURSE TITLE: INTRODUCTION TO BIORESOURCE ECOLOGY

DATE: 12th May 2016

TIME: 9 -11AM

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

This paper consists of 2 printed pages. Please Turn Over



KIBUCO observes ZERO tolerance to examination cheating

QUESTION ONE

- a) Citing relevant examples, explain the meaning of bioresources. (5 Marks)
- b) State the mandate of Kenya Wildlife Services. (5 Marks)
- c) Outline five values of bioresources. (5 Marks)
- d) Briefly explain habitat requirements for wildlife (5 Marks)
- e) Identify and relate various land tenure systems in Kenya to wildlife conservation and management. (5 Marks)
- f) State the contributions of Richard Leakey's era to wildlife conservation in Kenya (5 Marks)

QUESTION TWO

Discuss in detail the impacts of pollution on bioresources. (20 Marks)

QUESTION THREE

Discuss the behaviour of African Elephants under the following headings:-

- i. Ecological requirements (10 Marks)
- ii. Social behaviour or organisation (10 Marks)

QUESTION FOUR

Discuss the main threats to wildlife management in Kenyan National Parks. (20 Marks)

QUESTION FIVE

Discuss various techniques or approaches to wildlife management in Kenya. (20 Marks)