



(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2015/2016 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATION

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

COURSE CODE: SBC 214

COURSE TITLE: ANIMAL SAMPLING TECHNIQUES

DATE: 14/09/2017

TIME: 3.00 - 5.00 PM

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



KIBU observes ZERO tolerance to examination cheating

QUESTION 1

- a) State five limitations of capture recapture method of sampling [5mks]
- b) Give five reasons when species may be endangered [5mks]
- c) Outline five criteria that a marking procedure for animals sampling should meet [5mks]
- d) Name five methods of semi-permanent marking of animals [5mks]
- e) State five limitations of keeping animals in orphanages [5mks]
- f) State five general considerations for use of wildlife in research [5mks]

QUESTION TWO

Discuss the following approaches of estimating population sizes of wildlife [20mks]

- i) Complete counts or total counts
- ii) Incomplete counts
- iii) Indirect counts

QUESTION THREE

Discuss the change in ratio as a method of estimating animal abundance [20mks]

QUESTION FOUR

- i) Name four temporary marking of mammals for research [5mks]
- ii) Describe step- by step process of reintroduction of species [15mks]

QUESTION FIVE

Discuss the challenges involved in use of most animal sampling techniques [20mks]