



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 224

COURSE TITLE: STRUCTURE AND FUNCTION OF WILDLIFE HABITAT

DATE: 9TH MAY 2016

TIME: 9 – 11 AM

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. Define the following terms as used in bioresources: -
 - i. Habitat (2 marks)
 - ii. Habitat selection (2 marks)
 - iii. Habitat preference (2 marks)
 - iv. Habitat quality (2 marks)
 - v. Habitat occupancy (2 marks)
- b. State and explain the main habitat requirements. (5 marks)
- c. Explain the niche concept in habitat management (5 marks)
- d. Briefly explain the main techniques in habitat monitoring. (5 marks)
- e. Outline any five habitats found in Kenya as advanced by International Union for Conservation of Nature (IUCN). (5 marks)

QUESTION TWO

Citing relevant examples, discuss the main components of wildlife habitat. (20 Marks)

QUESTION THREE

Discuss the application of prescribed fire in habitat management.
(20 Marks)

QUESTION FOUR

Discuss the main triggers of habitat damage in Kenya. (20 Marks)

QUESTION FIVE

“Habitat improvement and restoration are key to wildlife management” Discuss the principles underlying this statement. (20 Marks)