



18

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR
FOURTH YEAR FIRST SEMESTER
MAIN EXAMINATION

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

COURSE CODE: SBC 411

COURSE TITLE: ANALYSES OF WILDLIFE POPULATIONS


DATE: Monday 12th July, 2021.

TIME: 8:00 – 10:00 a.m.

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

1. [a] Define: (8 mks)
 - [i] Population
 - [ii] Variant
 - [iii] Gene pool
 - [iv] Mutation
- [b] With examples, different between r and k-selected species (4 mks)
- [c] What are life-tables (2 mks)
- [d] Explain three (3) density- dependent factors that curtail wildlife population growth. (6 mks)
- [e] What is the formula of logistical population growth? (2 mks)
- [f] Briefly describe the following forms wildlife species interactions (8 mks)
 - [i] Commensalism [ii] Amensalism [iii] Exploitation [iv] Mutualism
2. Describe the characteristics of a wildlife population. (20 mks)
3. Discuss the environmental factors that limit wildlife population growth. (20 mks)
4. [i] Define Wildlife Management. (2 mks)
 - [ii] List three (3) salient features of Wildlife Management. (3 mks)
 - [iii] Describe two (2) types of Wildlife Management. (4 mks)
 - [iv] What is the essence of wildlife hunting season? (2 mks)
 - [v] Describe three (3) forms of wildlife hunting seasons. (9 mks)
5. Write an essay on wildlife pest control. (20 mks)