



(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
FOURTH YEAR SECOND SEMESTER

SPECIAL/SUPPLEMENTARY EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY, BACHELOR OF SCIENCE
IN BIORESOURCE MANAGEMENT AND BACHELOR AGRICULTURE EDUCATION
AND EXTENSION

COURSE CODE: SZL 412

COURSE TITLE: ANIMAL BEHAVIOUR (ETHOLOGY)

DATE: 10th October, 2018.

TIME: 11:30 – 1:30 p.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) Name any four fields that have linked to the study of animal behaviour 4marks
 - b) State the importance of the study of animal behaviour 4marks
 - c) Describe any two forms of innate behaviour 4marks
 - d) A dog sees a meat powder presented on a white bowl, explain how this visual stimulus is converted into an impulse 4marks
 - e) Name any two effectors that cause a response in animals after a stimulus 2marks
 - f) With appropriate examples show that learning influences behaviour 5marks
 - g) What is the significance of courtship signals being often species specific 4marks
 - h) Name any three environmental cues which migrating bird orient to during migration 3marks
2. Describe sex selection in animals 20marks
3. Discuss how behavioral ecologists assess the adaptive significance of behaviour 20marks
4. Using relevant examples, discuss the significance of communication in social groups 20marks
5. Describe how kin selection increases an individual's inclusive fitness 20 marks