



(Knowledge for Development)

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KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR

FOURTH YEAR 2nd SEMESTER
MAIN EXAMINATIONS

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

COURSE CODE: SBC 423

COURSE TITLE: WILD ANIMALS FEEDING ECOLOGY

DATE: *Monday 6th August, 2018*

TIME: *2:00 – 4:00 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

QUESTION 1

- a. Define the following:
 - i. Diet selection (1 Mark)
 - ii. Satiety concept (1 Mark)
 - iii. Pre ingestive feeding(1 Mark)
- b. Briefly explain seasonal diet changes in elephant and impala in woodland. (3 Marks)
- c. State any three factors influencing wildlife foraging strategies. (3 Marks)
- d. Differentiate between organic and inorganic nutrients (3 Marks)
- e. State any three types of wild life habitat (3 Marks)
- f. List any three factors that can lead to change of wild life habitat (3 Marks)
- g. State any three modes of feeding exhibited by wild animals. (3 Marks)
- h. State the importance of carbohydrates in animal food (3 Marks)
- i. Briefly explain features that enable wild life to survive in wild areas (3 Marks)
- j. Distinguish “competition” from “facilitation”. Give one example of each (3 Marks)

Question 2

Discuss the general model of feeding strategy given by Thomas W. Schoeners (20 Marks)

Question 3

Discuss factors influencing palatability of herbivores (20 Marks)

Question 4

Explain the roles played by any ten inorganic substances that are essential for growth and survival of wild animals. (20 Marks)

Question 5

Discuss the factors that influence feeding stability in natural wild life community. (20 Marks)