



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
FOURTH YEAR SECOND SEMESTER**

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
BACHELOR OF SCIENCE IN WILDLIFE
MANAGEMENT**

COURSE CODE: WLM 456

COURSE TITLE: WILDLIFE NUTRITION

DATE: 20TH APRIL 2018

TIME: 1100-1300 HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section A and any other **THREE** in section B.

This paper consists of 2 printed pages. Please turn over

Section A: Answer all question (25 marks)

1. a) Explain the importance of understanding wildlife nutrition (4 marks)
2. a) Explain what is referred as food begging (2 marks)
b) Briefly discuss the importance of food begging to young animals (3 marks)
3. a) Define the term basal metabolic rate (2 mark)
b) Explain the factors that influence basal metabolic rates in different species of wildlife (5 marks)
4. Briefly discuss the factors that influence wildlife nutrition in a given area (5 marks)
5. Briefly explain the influence of secondary plant compounds on herbivore feeding (4 marks)

Section B: Answer three (3) questions only (45 marks)

6. Discuss exhaustively the nutrition needs for wildlife (15 marks)
7. Giving examples where possible, discuss **three (3)** methods applied to analyse wildlife diets (15 marks)
8. Using examples where possible, discuss major differences between the foregut and hindgut digestive system (15 marks)
9. Discuss the advantages and disadvantages of wildlife supplemental feeding (15 marks)

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