



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS 2023/2024
ACADEMIC YEAR**

THIRD YEAR SECOND SEMESTER

**SCHOOL OF NATURAL RESOURCE,
ENVIRONMENTAL STUDIES AND AGRICULTURE
BACHELOR OF SCIENCE IN WILDLIFE RESOURCE
MANAGEMENT**

COURSE CODE: WRM 3228-1

COURSE TITLE: WILDLIFE NUTRITION

DATE: 04/6/24

TIME :1100-1300HRS

INSTRUCTIONS TO CANDIDATES

Answer **All** the Questions in Section A and any **THREE** IN SECTION B

*This paper consists of **TWO** printed pages. Please turn over*

Section A: Answer all question (20 marks)

1. a) Differentiate between malnutrition and starvation (2 marks)
b) Explain briefly the consequences of malnutrition to a wildlife species (3 marks)
2. a) Explain what is food hoarding in wildlife (2 marks)
b) Highlight importance of food hoarding to wild animals (3 marks)
3. Explain the importance of understanding wildlife nutrition (3 marks)
4. Compare the advantages of foregut and hindgut fermenters (3 marks)
5. a) Give an account of the factors that influence wildlife nutrition in a given area (2 marks)
b) Highlight adaptations herbivores have for avoiding the impacts secondary plant metabolites (2 marks)

Section B: Answer three (3) questions only (30 marks)

6. Discuss important wildlife nutrients (10 marks)
7. Giving examples where possible, discuss methods applied to analyse wildlife feeding habits (10 Marks)
8. Using examples where possible, explain how secondary plant compounds influence herbivore feeding behaviour (10 marks)
9. Discuss in details the pro and cons of wildlife supplemental feeding (10 Marks)

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