



MAASAI MARA UNIVERSITY

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

**SCHOOL OF NATURAL RESOURCE,
ENVIRONMENTAL STUDIES & AGRICULTURE
CERTIFICATE IN TOURISM AND WILDLIFE
MANAGEMENT**

COURSE CODE: CTW 006

**COURSE TITLE: NATURAL HISTORY OF
BIRDS & MAMMALS.**

DATE: 6/2/2024

TIME: 0830-1030 HRS

Instructions:

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 questions (25 marks)

1. A) State any **FOUR** social organization of the family Bovidae **(2 marks)**

B) Name **THREE** super orders that birds are phylogenetically classified **(3 marks)**

2. Highlight key morphological/physiological features that show birds evolved from Reptiles **(5 marks)**

3. Briefly discuss the evolution of mammals **(5 marks)**

4. The Somali ostrich (*Struthio camelus molybdophanes*) belongs to the Family Struthionidae, classify the bird from Kingdom to Sub species **(5 marks)**

5. Name any **FIVE** Vulnerable bird species in Kenya **(5 marks)**

Section B: Answer any three questions (45 marks)

6. Citing examples briefly describe the ecological benefits of birds and mammals in Kenya **(15 marks)**

7. a) With examples, briefly explain the threats to the conservation of birds and mammals in Kenya. **(10 marks)**

b) Give any remedial interventions that can be used to address some of these challenges **(5 marks)**

8. Discuss the social organization of the Olive Baboon (*Papio anubis*) **(15 marks)**

9. Discuss any adaptations that facilitate birds achieve flight. **(15 marks)**

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