



MAASAI MARA UNIVERSITY

SUPPLEMENTARY/SPECIAL UNIVERSITY EXAMINATIONS

**2023/2024 ACADEMIC YEAR
SECOND YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES
ENVIRONMENTAL STUDIES AND
AGRICULTURE
BACHELOR OF SCIENCE (ENVIRONMENTAL
BIOLOGY AND HEALTH)**

COURSE CODE: EBH 2110

**COURSE TITLE: ANIMAL COMMUNITIES OF
EAST AFRICA**

DATE: 14/12/2023

TIME: 1430-1630 HRS

INSTRUCTIONS TO CANDIDATES

ATTEMPT ALL QUESTIONS IN SECTION A AND ANY 3 IN SECTION B

Support your answers with relevant examples and illustrations and clearly show your calculations, where relevant.

This paper consists of 3 printed pages. Please turn over

SECTION A: answer ALL questions in this section.(25 MARKS)

1. State 5 reasons to account for the high species diversity in East Africa
(5 marks).
2. State the orders to which the following birds belong;
 - i. Doves
 - ii. Fish eagle
 - iii. Weaver bird
 - iv. Flamingoes
 - v. Storks(5 Marks).
3. Give 5 reasons to explain why birds migrate (5 marks).
4. Name the 5 families of the order carnivore and give one common example of each (5 Marks).
5. Citing specific examples, state 5 anti predatory behavior employed by East African prey species. (5 Marks).

SECTION B Answer ANY THREE questions: (45 MARKS).

- 6i. What do you understand by the term 'savannah'? (3 Marks)
 - ii. Discuss the types of savannah vegetation found in East Africa and describe the main animal species associated with each (12 marks)
7. ' The social organization and feeding habits of the bovidae are related to size'. Citing specific East African examples, discuss this statement and give the ecological significance of this relationship (15 marks).
8. Discuss the factors involved in regulation of animal populations (15marks).
9. Write an essay on mating systems in birds (15 marks).

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