



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR
SECOND YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
BACHELOR OF SCIENCE (ENVIRONMENTAL
BIOLOGY AND HEALTH)**

COURSE CODE: EBH 2110

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

DATE: 4TH DECEMBER 2018

TIME: 1100 - 1300 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 2 printed pages. Please turn over.

SECTION A (25 MARKS)

Attempt ALL questions in this section.

1. Explain the concept of niche differentiation and resource partitioning and its ecological significance (**5 marks**).
2. State the orders to which the following birds belong;
 - i. Domestic chicken
 - ii. Fish eagle
 - iii. Weaver bird
 - iv. Flamingoes
 - v. Ostriches (**5 Marks**).
3. Briefly describe 5 derivatives of savannah vegetation in East Africa (**5 marks**)
4. Name the 5 families of the order carnivore and give one common example of each found in East Africa (**5 Marks**).
5. Describe 3 types of mating systems in birds (**5 marks**).

SECTION B (45 MARKS)

Attempt ANY THREE questions.

6. Write an essay on bird migration (**15 marks**).
7. Citing specific examples, discuss 5 anti - predatory behavior employed by East African prey species. (**15 marks**).
8. i. Name the 3 orders of marine mammals found in East African and give an example of each (**6 marks**)

ii. Discuss the threats East African marine mammals face (**9 marks**).
- 9i. Distinguish between the types of territories established by East African mammals (**6 marks**).
- ii. Explain methods of establishment and defence of territories employed by East African mammals (**9 marks**).

***** END OF EXAM QUESTIONS*****