



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2019/2020 ACADEMIC YEAR
FOURTH YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCE AND
ANIMAL SCIENCES
BACHELOR OF SCIENCE IN ENVIRONMENTAL
HEALTH AND PRODUCTION**

COURSE CODE: EBH 4135

**COURSE TITLE: WILDLIFE ECOLOGY AND
MANAGEMENT IN EAST AFRICA**

DATE: 9TH DECEMBER 2019

TIME: 1100 - 1300HRS

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 (25 Marks)

1. Define the following terms, citing examples (10 marks)
 - i. Key stone species
 - ii. Bio-indicators
 - iii. Carrying capacity
 - iv. Parasite
 - v. Mutualism
2. Briefly discuss five (5) abiotic factors that affect the distribution of an animal population in an ecosystem. (5 marks)
3. With the aid of diagrams, describe three growth curves and relative species. (6 marks)
4. Briefly describe consumptive and non-consumptive wildlife used as practiced in East Africa (5 marks)

SECTION B (45 Marks)

5. Exhaustively describe the diverse habitat types found in East Africa, their importance and highlight wildlife species found in them (15 marks)
6. In East Africa, wildlife habitats and species continue to face a lot of challenges. Using examples, showcase current and emerging concerns; and management interventions you would put in place to address these concerns. (15 marks)
7. Animals employ various foraging strategies to attain food. Citing examples, demonstrate the feeding strategies animals use to attain nutrition. (15 marks)
8. Protected areas play vital roles in promoting wildlife and environmental health. Thoroughly demonstrate your understating on this, citing examples in East Africa. (15 marks)

//END