

**Maasai Mara University**

**UNIVERSITY EXAMINATION 2016/2017**

**SCHOOL OF SCIENCE AND INFORMATION SCIENCES**

**THIRD YEAR SECOND SEMESTER EXAMINATIONS**

**FOR**

**THE DEGREE OF BACHELOR OF SCIENCE**

**COURSE CODE : ZOO 319E**

**COURSE TITLE : ANIMAL BEHAVIOR**

**Date: Time:**

**INSTRUCTIONS**

1. Answer **ALL** questions in **Section A** and **ANY TWO** in **section B**
2. Illustrate your answer with well labeled diagrams where appropriate.

**Section A – Answer all questions (30 marks)**

1. Describe the basis and occurrence **reprocity** among vampire birds

**(3 marks)**

1. Outline the observation of William Dilger on lovebirds and their hybrids

**(3 marks)**

1. Explain the ecological approach in studying behavior **(3 marks)**
2. Describe how primates communicate the identify of specific predators

**(3 marks)**

1. Distinguish associative from non-associative learning. **(3 marks)**
2. Explain how the ethologist Konrad Lorenz experimentally raised gooselings that followed him around as if he was their mother

**(3 marks)**

1. Describe how behavior reflects ecological factors **(3 marks)**
2. Explain cognitive behavior with regard to nonhuman animals **(3 marks)**
3. Describe territorial behavior and its cost – benefit analysis **(3 marks)**
4. Explain the **dance language** of honey bees **(3 marks)**

**Section B answer Any Two questions (40 marks)**

1. Give an account of the benefit of mate choice, mating systems and reproductive strategies **(20 marks)**
2. Discuss the egg retrieval behavior of the goose and its physiological basis **(20 marks)**
3. Discuss the difficulties involved in studying animals behavior

**(20 marks)**

1. Discuss mutation experiment in mice showing how a gene affects behavior **(20 marks)**