



MAASAI MARA UNIVERSITY
REGULAR UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER
SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
BACHELOR OF SCIENCE IN WILDLIFE
MANAGEMENT

COURSE CODE: WLM 361

COURSE TITLE: BEHAVIOURAL ECOLOGY

DATE: 25TH APRIL, 2018

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: Answer all questions (25 marks)

1. Briefly describe the terms, with examples **(6 marks)**
 - a) True predation
 - b) Parasites
 - c) Parasitoids
 - d) Kinesis
 - e) Taxis
 - f) Reflex

2. Using examples, briefly describe why animals communicate with members of their species, highlighting examples. **(6 marks)**

3. Behavior is influenced by nature and nurture. Briefly describe and differentiate using examples **(6 marks)**

4. In a bid to mate, especially in hierarchical communities, males employ various strategies. Briefly describe these strategies, citing examples. **(7 marks)**

Section B: Answer any three questions (45 marks)

5. Animals have learnt to use various inter and intra-specific modes of communication. Briefly describe these modes of communication. **(15 marks)**

6. Discuss the anti-predator strategies employed by various taxa **(15 marks)**

7. As a wildlife manager, describe how the study of behaviour ecology would help you in the management and conservation of biodiversity. **(15 marks)**

8. Various animals have adopted kin selection / altruism as a way of enhancing survival.
 - a) Describe kin selection **(3 marks)**
 - b) Describe three forms of kin selection employed by avian species **(12 marks)**

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