



MAASAI MARA UNIVERSITY

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

**SCHOOL OF TOURISM AND NATURAL
RESOURCES MANAGEMENT
DIPLOMA IN TOURISM AND WILDLIFE
MANAGEMENT**

**COURSE CODE: NDTW 114
COURSE TITLE: NATURAL HISTORY OF
MAMMALS**

DATE: DECEMBER 10, 2018 TIME: 8:30 A.M. – 10:30 A.M.

INSTRUCTIONS TO CANDIDATES

Answer Question **ONE** and any other **THREE** Questions

This paper consists of 2 printed pages. Please turn over.

QUESTION ONE (COMPULSORY)

a. Define the following terms:

(10 marks)

- i. Mammology
- ii. Evolution
- iii. Artiodactyla
- iv. Perissodactyla
- v. Primate

b. Give 5 reasons why we study Natural history of mammals (5 marks)

c. There are certain similarities between the reptiles and mammals that point out those reptiles are the ancestors of mammals. Give three (3) of these similarities (3 marks)

d. Describe the General Characteristics of mammals (7 marks)

QUESTION TWO

a. Mammals are classified as follows. Complete the classification (3 marks)

- i. Kingdom
- ii. Phylum
- iii. Chordata

b. Class mammalia is divided into two sub – classes. Describe the two sub-classes giving examples (4 marks)

c. Describe the following Mammalian orders (8 marks)

- i. Monotremata
- ii. Marsupilia
- iii. Insectivora
- iv. Rodentia
- v. Pholidota
- vi. Lartomorpha
- vii. Chiroptera
- viii. Proboscidae

QUESTION THREE

a. Give five general characteristics of the order primates (5 marks)

b. Differentiate between the order perissodactyla and Artiodactyla, and explain 3 general characteristics of each (10 marks)

QUESTION FOUR

a. The order Carnivora has several families. Name 5 of these families with examples at each (5 markS)

b. There are several Characteristics used in the identification of mammals. Which are these? (10 marks)

QUESTION FIVE

a. Explain the Difference between a common Zebra and a Grevy Zebra (5 marks)

b. Give five adaptations used by animals to their environment. (5 marks)

c. Describe the Difference between a white rhino and a black rhino (5 marks)

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