



MAASAI MARA UNIVERSITY

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

**SCHOOL OF TOURISM & NATURAL RESOURCE
MANAGEMENT
DIPLOMA IN TOURISM AND WILDLIFE
MANAGEMENT**

**COURSE CODE: NDTW 122
COURSE TITLE: INTRODUCTION TO
HERPETOLOGY**

DATE: 25TH APRIL, 2019

TIME: 11:00 - 13:00HRS

INSTRUCTION TO CANDIDATES

- This paper has two sections A & B.
- Answer question **ONE** in section A and any **TWO** in section B.

SECTION A: ANSWER QUESTION ONE (30MKS)

QUESTION 1

- (a) Explain the meaning of the following terms; **(4mks)**
- (i) Herpetology
 - (ii) Poikilothermic
 - (iii) Cutaneous respiration
 - (iv) Metamorphosis
- (b) State **five** distinguishing features between the toads and salamanders **(5mks)**
- (c) Explain **five** general characteristics of Amphibians **(10mks)**
- (d) Explain the differences and similarities between reptiles and amphibians **(5mks)**
- (e) Reptiles have greatly colonized land habitats than their predecessor. Explain three reasons **(6mks)**

SECTION B: ANSWER ANY TWO QUESTIONS (40MKS)

QUESTION 2

- (a) Describe **six** morphological changes that occur during the transformation of a tadpole to an adult frog **(6mks)**
- (b) Identify the orders in class Amphibia and describe their distinguishing features **(14mks)**

QUESTION 3

- (a) What is Eutrophication? **(2mks)**
- (b) Explain the importance of water to amphibians **(6mks)**
- (c) Describe the distinguishing features of class Reptilia. **(12mks)**

QUESTION 4

- (a) Snake and lizards belong to the same order however they exhibit some differences. State four differences **(4mks)**
- (b) Name the **four** sub-classes in class Reptilia and while giving an example in each case describe their distinguishing features **(12mks)**
- (c) Briefly explain **four** defense mechanisms used by Herptiles **(4mks)**

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