



MAASAI MARA UNIVERSITY

MAIN UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER

**SCHOOL OF NATURAL RESOURCES, TOURISM
AND HOSPITALITY**

BACHELOR OF WILDLIFE MANAGEMENT

COURSE CODE: WRM 3120-1

COURSE TITLE: HERPETOLOGY

DATE: 13/12/2023

TIME: 0830-1030 HRS

INSTRUCTIONS TO CANDIDATES

Answer **All** the Questions in Section A and any **THREE** IN SECTION B

*This paper consists of **TWO** printed pages. Please turn over.*

SECTION A (20 MARKS)

- 1) (a) Highlight any two differences between amphibians and reptile
[2 marks]
- (b) Explain three critical evolutionary steps that led to the evolution of reptiles from amphibians
[3 marks]
2. Highlight any 5 differences between Kenya's forest cobra (*Naja melanoleuca*) and the Taita Warty Frog (*Callulina dawida*)
[5 marks]
3. (a) Kenyan amphibians are classified into two orders. Giving specific examples, name the two orders
[2 marks]
- (b) Giving specific examples, name three symptoms of snake bites in Kenya
[3 marks]
4. (a) Differentiate a voucher specimen from a type specimen
[2 marks]
- (b) As a technical staff employed at the Herpetology Section of the National Museums of Kenya, a layman brings in a snake he has killed on his farm. Outline any three features you would use to identify the snake
[3 marks]

SECTION B (30 MARKS)

5. Giving examples, discuss defense mechanisms employed by herps against predation
[10 marks]
6. East African snakes can be classified into four groups. Giving specific examples, describe the groups detailing the basis for such classification
[10 marks]
7. Discuss any **five** threats facing conservation of reptiles and amphibians in Kenya
[10 marks]
8. Discuss the steps involved in the preparation of herpetological specimens for preservation/storage
[10 marks]

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