



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
SECOND YEAR SECOND SEMESTER**

**SCHOOL OF NATURAL RESOURCES,
ENVIRONMENTAL STUDIES AND
AGRICULTURE**

**BACHELOR OF SCIENCE IN WILDLIFE
MANAGEMENT**

COURSE CODE: WRM 3227-1

COURSE TITLE: WILDLIFE DISEASES AND PATHOLOGY

DATE: 30/5/24 TIME: 0830-1030HRS

INSTRUCTIONS TO CANDIDATES

Answer ALL questions

This paper consists of 2 printed pages. Please turn over

- 1 a Define the following terms:
 - i. Emerging disease (**6 marks**)
 - ii. Zoonotic disease (**2 marks**)
 - iii. Population threshold (**4 marks**)
- b Describe the term ecology and its application in wildlife diseases.
(8 marks)
- 2 a With the use of a diagram, describe the transmission and transformation of zoonotic pathogens from wildlife. (**15 marks**)
- b Name any five diseases affecting wildlife populations. (**5 marks**)
- 3 a Discuss the effects of chytrid fungi that is threatening tropical amphibians in South America. (**12 marks**)
- b With a relevant example, name four (4) risk factors for disease emergence.
(8 marks)
- 5 a Describe the four forms of wildlife disease management strategies.
(12 marks)
- b In regard to Question 5 (a), state the criteria used to make a choice on the wildlife disease management strategies to be deployed.
(4 marks)
- 6 a Discuss the socio-economic significance of wildlife pathogens.
(15 marks)
- b State five (5) clinical signs of the rabies in wild animals. (**5 marks**)

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