



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2024/2025 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER

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

**BACHELOR OF SCIENCE IN ANIMAL HEALTH AND
PRODUCTION**

COURSE CODE: AHP 3204-1

**COURSE TITLE: AQUATIC ANIMAL AND WILDLIFE
DISEASES AND MANAGEMENT**

DATE: 28/5/24

TIME: 1100-1300HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions

This paper consists of 2 printed pages. Please turn over

Aquatic animal and wildlife diseases and management [100 Marks]

- 1 a) State the emerging issues in the management of aquatic diseases.
(10 marks)

b) Describe the biosecurity measures used to manage risks at all levels of the aquaculture chain against transboundary aquatic animal diseases. (10 marks)
- 2 a) Name any four diseases that affect wildlife. (4 marks)
b) Compare and contrast the approaches for disease management in wildlife. (16 marks)
- 3 (a) Discuss briefly how the components of a national wildlife health programme need to be enhanced in order to avoid future diseases outbreaks of zoonotic diseases. (10 marks)
b) Describe the socio-economic importance of wildlife pathogens and diseases. (6 marks)
c) With the aid of a diagram, describe the term disease ecology. (4 marks)
- 4 a) Describe the aetiology, clinical signs and management of the rabies in wild animals.
(10 marks)
b) Describe the distribution, clinical signs and management of the Epizootic Ulcerative syndrome. (10 marks).
- 5 a) With the aid of a diagram, state the external and internal factors that affect the health of fish. (12 marks)

b) List 4 transboundary diseases of aquatic animals.
(8 marks)
- 6 With the aid of a table, describe the humoral factors in the non-specific immune system in fish

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