

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FOURTH YEAR EXAMINATION FOR THE AWARD OF BACHELOR OF
DEGREE IN WILDLIFE AND ENTERPRISE MANAGEMENT**

WIEM 422: WILDLIFE DISEASES AND PATHOLOGY

STREAM: BSc. WIEM Y4S1

TIME: 2 HOURS

DAY/DATE: THURSDAY 01/04/2021

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- *Answer all the questions in Section A and ANY TWO questions in Section B*
- *Do not write anything on the question paper*

SECTION A (30 Marks)

1. Explain five risks that are associated with wildlife diseases (5 marks)
2. Briefly explain four levels of infection (4 marks)
3. Explain five factors influencing the emergency and transmission of wildlife diseases (5 marks)
4. Describe the four components of diseases that are addressed in pathology (4 marks)
5. Briefly describe a simplified life cycle of a virus (6 marks)
6. Briefly explain six factors influencing the probability of occurrence of a given disease in wildlife. (6 marks)

SECTION B (40 MARKS)

7. Discuss the parameters considered when determining the presence of a disease in an animal. (20 marks)

8. Discuss the Rabies disease in terms of causative agent, hosts, transmission, signs and control (20 marks)
 9. Suppose you are studying the epidemiology of a given wildlife disease, discuss the key issues you would seek to establish in your study (20 marks)
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