

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE  
OF BACHELOR OF WILDLIFE AND ENTREPRENEURSHIP MANAGEMENT

WIEM 422: WILDLIFE DISEASES AND PATHOLOGY

STREAMS: B.SC WILDLIFE Y4S2

TIME: 2 HOURS

DAY/DATE: FRIDAY 13/04/2018

8.30 A.M - 10.30 A.M.

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**INSTRUCTIONS:**

- Answer ALL Questions in Section A and any TWO Questions in Section B

**SECTION A**

1. Define the following terms as used in wildlife disease giving an example for each. [4 Marks]
  - (a) Pathology
  - (b) Carrier of a disease
2. Briefly discuss the transmission and control of bovine tuberculosis. [5 Marks]
3. You are presented with a young buffalo calf with hyper salivation and vesicles on the mouth and feet and lameness. Give a tentative diagnosis of the condition and the diagnosis of the above disease. [5 Marks]
4. List methods of control of diseases in wildlife. [5 Marks]
5. Define the term zoonosis and list three zoonosis that can be transmitted by wildlife. [5 Marks]
6. Discuss the life cycle of *Echinococcus granulosus* and the control of the disease it causes. [6 Marks]

**SECTION B: [40 MARKS]**

7. (a) Discuss methods of control of fungal infections in wildlife. [8 Marks]
  - (b) Discuss Necrobacillosis in wildlife under: [12 Marks]
    - (a) Etiology
    - (b) Animal affected
    - (c) Major clinical signs
    - (d) Control

**WIEM 422**

8. (a) Discuss the significance and the procedure of game meat inspection highlighting the significant organs during inspection. [10 Marks]
- (b) Outline in details how you will go about handling an animal that has been found dead and highlight the precautions. [10 Marks]
9. (a) List four Ectoparasites of wildlife and the diseases they cause. [6 Marks]
- (b) Discuss African swine fever in wildlife under the following sub heading; [14 Marks]
- (a) Etiology
  - (b) Species affected
  - (c) Clinical signs and pathology
  - (d) Control
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