

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN NATURAL RESOURCES MANAGEMENT

WIEM 422: WILDLIFE DISEASES AND PATHOLOGY

STREAMS: BSC (WIEM) Y3S1

TIME: 2 HOURS

DAY/DATE: TUESDAY 03/12/2019

8.30 AM – 10.30 AM

INSTRUCTIONS:

- Answer ALL Questions in Section A and any Two in Section B
- Do not write on the Question paper

SECTION A (30 MARKS)

1. Distinguish between the following pairs of terms with reference to wildlife diseases. [6 marks]
(a) Epidemic and endemic
(b) Infection and infestation
(c) Diseases incidence and disease prevalence
2. Briefly describe the subclinical effects of disease in wildlife. [6 marks]
3. Name the etiologic agents of the following diseases: [4 marks]
(a) Avian influenza
(b) Rabies
(c) Malignant catarrhal fever
(d) Brucellosis
4. With aid of a diagram, describe the basic life cycle of a virus. [4 marks]
5. Citing an example in each case, explain five ways in which a person can get exposed to wildlife diseases. [5 marks]

6. Briefly explain your understanding of “Ten Disc Spaces” in relation to pathology. [5 marks]

SECTION B (40 MARKS)

7. Discuss the key factors that affect various countries in combating transboundary animal diseases. [20 marks]
8. Discuss the ecology of infectious diseases in wildlife. [20 marks]
9. Discuss social-economic impacts of wildlife diseases. [20 marks]
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