



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

**A. M. E. C. E. A**

**MAIN EXAMINATION**

**JANUARY – APRIL 2015 TRIMESTER**

**FACULTY OF SCIENCE**

**DEPARTMENT OF NATURAL SCIENCES (BIOLOGY)**

**REGULAR PROGRAMME**

**BIO 408: WILDLIFE MANAGEMENT**

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<b>Date: April 2015</b>	<b>Duration: 2 Hours</b>
<b>Instructions: Answer Question ONE and any other TWO Questions.</b>	

- Q1. a) Define the following: **(1 mark each)**
- i) Wildlife
  - ii) Wildlife management
  - iii) Effective population
  - iv) Zoonosis
  - v) Biological Carrying Capacity
  - vi) Ecological Succession
- b) Differentiate between: **(2 marks each)**
- i) Manipulative and custodial management
  - ii) Game and non-game species
  - iii) Sink and Source populations
  - iv) Highlight the local community rights associated with wildlife and wildlife areas.
- c) i) How is hunting consistent with wildlife management? **(8 marks)**
- ii) Highlight the controversial issues in managing wildlife. **(2 marks)**
- Q2. Identify the steps in writing a wildlife management and conservation challenges in Kenya. **(7 marks)**
- Q3. Identify the steps in writing a wildlife management plan and attempt a draft for a endangered wild animal. **(20 marks)**
- Q4. Explain why there was an urgent need for a new wildlife policy and law in Kenya. **(20 marks)**

- Q5. a) Human settlements and movements in wildlife areas encourage the spread of zoonoses to man and livestock and in turn intensify human-wildlife conflict. Discuss the possible types of wildlife – livestock – human interfaces, interactions and likely zoonoses. **(14 marks)**
- b) What strategies would be applied by wildlife managers to control zoonoses. **(6 marks)**

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