THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

SEPTEMBER – DECEMBER 2019 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF BIOLOGY

REGULAR PROGRAMME

BIO 408: WILDLIFE MANAGEMENT

Date: DECEMBER 2019	Duration: 2 Hours
INSTRUCTIONS: Answer Question ONE and any other TWO Questions	

Q1.   a)   Define the following terms

(4Marks)

      i.   Wildlife
     ii.   Ecotourism
   iii.   Succession
   iv.   Sustainable wildlife management

b) Describe the two general types of wildlife management

(4Marks)

c) Explain 5 factors that threaten potential production of wildlife

(5Marks)

d) Explain the responsibilities of state wildlife agencies

(4Marks)

e) Describe three types of hunters according to Stephen Kellert

(3Marks)

f) Give three factors when considering grazing management?

(3Marks)

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g) Differentiate wildlife conservation and wildlife preservation

(3Marks)

h) i) Give two physiological features of an endotherm when in thermalneutral zone

(2Marks)

ii) Give two factors that raises an animal's metabolic rate above basal

(2Marks)

Q2.   a)   Describe the habitat requirements of wildlife

(8Marks)

b)   Describe the common wildlife management practices

(12Marks)

Q3.   Describe the social, political and economic human wildlife conflicts factors affecting wildlife management and conservation

(20Marks)

Q4.   a)   Citing appropriate examples explain the types of species in wildlife conservation

(10Marks)

b)   Explore the means of wildlife population control

(10Marks)

Q5.   Describe the use of modern technology of GPS and GIS in solving wildlife management problems   **(20Marks)**

END

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