# MACHAKOS UNIVERSITY

**University Examinations 2017/2018**

**SCHOOL OF HOSPITALITY AND TOURISM MANAGEMENT**

**DEPARTMENT HOSPITALITY MANAGEMENT**

**THIRD YEAR SECOND SEMESTER EXAMINATION FOR**

**BACHELOR OF SCIENCE IN HOSPITALITY AND TOURISM MANAGEMENT**

**BTM 372:  FLORA AND FAUNA OF EAST AFRICA**

**DATE: 15/12/2017**                                                    **TIME: 8:30 – 10:30 AM**

**INSTRUCTIONS**

   Answer all questions in section A and any two in section B.

**SECTION A: (COMPULSORY)**

**QUESTION ONE (30 MARKS)**

a)   Write the full scientific names of each of the following animals:            (5 marks)

   i       White Rhinoceros

   ii      Nile Crocodile

   iii     Ostrich

   iv     Cape Buffalo

   v      Leopard

b)   Highlight FIVE orders of the class *mammalia.*                    (5 marks)

c)   List THREE protected areas in East Africa.                         (3 marks)

d)   Describe amphibians by their specific characteristics.             (5 marks)

e)   Write a brief natural history of the Ostrich.                       (7 marks)

f)   Explain what you understand by the following terms:

   i.      Gregarious                                                     (2 marks)

   ii.     Human-Wildlife Conflicts (HWC)                                 (2 marks)

   iii.    Ecosystem                                                      (2 marks)

iv.     Species                                                        (2 marks)

v.     Taxonomy                                                (2 marks)

## SECTION B: ANSWER ANY OTHER TWO QUESTIONS

## QUESTION TWO (20 MARKS)

a)      Discuss the importance of plants to the tourism/hospitality industry.     (10 marks)

b)      Identify any five endangered wildlife species in East Africa.        (5 marks)

c)      Describe the uses of any five tools you would need for bird watcher.     (5 marks)

## QUESTION THREE (20 MARKS)

a)      Give FOUR differences between each of the following pairs of mammals.    (8 marks)

          i.     White rhino and Black rhino

         ii.     Burchell's zebra and Grevy's zebra.

b)      Discuss the importance of reptiles as exemplified by the Nile Crocodile (*Crocodylus niloticus*).                                                                      (8 marks)

c)      Explain factors that influence the distribution of wildlife in East Africa.    (4 marks)

## QUESTION FOUR (20 MARKS)

The "Big Five" are major wildlife attractions found in East Africa.  Write short notes about any ONE member of the Big Five wildlife attractions     under the following sub-headings:

a)      Measurements                                                (3 marks)

b)      Identification in the field                                  (4 marks)

c)      Distribution and habitat                                      (3 marks)

d)      Food and feeding                                            (3 marks)

e)      Behaviour and social organization                         (4 marks)

f)      Reproduction and life expectancy.                         (3 marks)

## QUESTION FIVE (20 MARKS)

a)      Describe five types of wildlife protected areas found in East Africa giving examples of each type.                                                       (15 marks)

b)      Explain the reasons why some wildlife species are referred to as the "Big Five".   (5 marks)