



TECHNICAL UNIVERSITY OF MOMBASA
Faculty of Business & Social Studies

DEPARTMENT OF HOSPITALITY & TOURISM

UNIVERSITY EXAMINATIONS FOR DEGREE IN
BACHELOR OF SCIENCE IN TOURISM MANAGEMENT

AES 4130: FLORA AND FAUNA OF EAST AFRICA I

END OF SEMESTER EXAMINATIONS

SERIES: APRIL 2014

TIME: 2 HOURS

INSTRUCTIONS:

- Answer question **ONE (Compulsory)** in Section **A** and any other **TWO** questions in Section **B**.

This paper consists of Two printed pages

SECTION A (Compulsory)

QUESTION 1

- a) Describe the morphological and behavioural characteristics distinguishing Diceros bicornis. **(10 marks)**
- b) Discuss the conservation status of Loxodonta africana outlining the major threats facing the species in East Africa. **(10 marks)**
- c) Identify **TWO** distinguishing characteristics of even-toed angulates. **(2 marks)**
- d) Outline **FOUR** characteristics of living organisms. **(8 marks)**

SECTION B (Answer any TWO questions)

QUESTION 2

- a) Write short notes on any **FIVE** characteristics of land mammals found in East Africa. **(10 marks)**
- b) Describe the natural history of Grevy Zebra. **(10 marks)**

QUESTION 3

- a) What are the ecological importance of primates found in East Africa. **(10 marks)**
- b) Distinguish between the following concepts:
- i) Mesopredators and Apex predators
 - ii) Keystone species and indicator species
 - iii) Diphyodonty and Polyphyodonty
 - iv) Endothermy and Ectothermy
 - v) Monotremes and marsupials.
- (10 marks)**

QUESTION 4

- a) Write short notes on the distinctive characteristics defining any **FIVE** orders in which mammals are classified. **(10 marks)**
- b) Describe the natural history of Panthera leo. **(10 marks)**

QUESTION 5

- a) Describe the general flight adaptations of birds. **(10 marks)**
- b) Describe the basis of nomenclature of living things. **(10 marks)**