



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF HOSPITALITY & TOURISM

UNIVERSITY EXAMINATION FOR THE DEGREE OF:

BACHELOR OF SCIENCE IN TOURISM MANAGEMENT (BSTM S15)

BHT 4208: NATURAL HISTORY OF FLORA AND FAUNA IN EAST AFRICA 2

SPECIAL SUPPLEMENTARY EXAMINATION

SERIES: SEPT. 2017

TIME: 2 HOURS

DATE: Pick Date Sep 2017

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt Choose instruction.

Do not write on the question paper.

SECTION A (Answer ALL the questions)

30 POINTS

Question 1

- a) Describe any 5 differences between a 'warm blooded' animal and a 'cold blooded' animal (5 Marks)
- b) Define the following terminologies used in describing some natural history aspects of cold-blooded animals and some insects (10 Marks)
- i. Viviparous
 - ii. Autotomy
 - iii. Parthenogenesis
 - iv. Social insect
 - v. Amphibian
- c) Describe the natural history of the Nile crocodile (scientific name: *Crocodylus niloticus*) (10 Marks)
- d) Explain how a coral reef is formed (5 Marks)

SECTION B (Answer only TWO questions)

Question 2

- a) Compare any 5 similarities and contrast any 5 differences between frogs and caecilians (10 Marks).
- b) Give 5 reasons why a caecilian may be confused with an earthworm or blind snake (5 Marks)
- c) Describe 5 body features that would convince an observer that it is neither (5Marks)

Question 3

A group of children found a chameleon on the path. Explain to them the following things about chameleons so that they understand and appreciate the creature. (20 Marks)

- How to identify and describe the appearance of a chameleon
- Feeding and foraging behaviors
- Predators
- Anti-predatory and escape tactics
- Suitable habitats
- Social organization of chameleons
- Reproduction behavior
- Lifespan of chameleons
- A common myth about chameleons
- Importance of chameleons to nature

Question 4

- a) Describe the three Orders of Class Fish and one unique characteristic of each order (6 Marks)
- b) Describe the natural history of the East African lung fish (10 Marks)
- c) Briefly outline any 2 differences and any 2 similarities between a Shark and a Ray fish. (4 Marks)

Question 5

- a) Describe 5 characteristics of wetlands as suitable habitats for cold blooded vertebrates. (10 Marks)
- b) Outline 5 conservation threats to wetlands and their natural cold-blooded inhabitants in East Africa (10 Marks)