

CHUKA



UNIVERSITY

## UNIVERSITY EXAMINATIONS

### FIRST YEAR EXAMINATION FOR THE AWARD OF BACHELOR OF SCIENCE IN WILDLIFE AND ENTERPRISE MANAGEMENT, BACHELOR OF SCIENCE IN ECOTOURISM AND BACHELOR DEGREE IN TOURISM MANAGEMENT

**WIEM 102: INTRODUCTION TO EAST AFRICA FLORA AND FAUNA**

**STREAMS: WIEM (Y1S2) BECO (Y2S1) BTOM (Y2S1)**

**TIME: 2 HOURS**

**DAY/DATE: WEDNESDAY 31/3/2021**

**8.30 AM – 10.30 AM**

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#### INSTRUCTIONS:

- Answer **ALL** Questions in **SECTION A** and **ANY TWO** in **SECTION B**
- Do not write on the question paper.

#### SECTION A (30 MARKS)

1. Briefly explain five unique differences between reptiles and amphibians. [5 Marks]
2. During a visit to a National Park, a student used the following terms to describe a tree that he saw:

- (a) Flowers: **zygomorphic** with **hypogynous** perianth
- (b) Leaves: **compound**, with **opposite phyllotaxy**;
- (c) Stem: **Deliquescent**

Based on these terms, briefly describe the morphology of the plant. [5 Marks]

3. Explain five reasons why birds sing. [5 Marks]
4. Explain the meaning of the following terms using one example in each case. [5 Marks]
  - a) Precocial young
  - b) Bachelor herd
  - c) Echolocation
  - d) Parental investment
  - e) Home range

5. Suppose as a team you need to go for field excursion on foot in a wildlife park. Give five safety guidelines you would follow to avoid being attacked by wild animals. [5 Marks]
6. Explain five main roles of a plant taxonomist. [5 Marks]

**SECTION B (40 MARKS)**

7. Discuss the characteristics of the East African Savanna. [20 Marks]
  8. The African lion (*Panthera leo*) is one of the most popular wild animals in the world. Discuss the lion in terms of: physical characteristics, habitat, reproduction and social behavior. [20 Marks]
  9. Discuss in detail the strategies that can be used to overcome the challenges facing conservation of East African flora and fauna. [20 Marks]
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