

CHUKA



UNIVERSITY

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**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
ECOTOURISM MANAGEMENT AND TOURISM MANAGEMENT**

WIEM 102: INTRODUCTION TO EAST AFRICAN FLORA AND FAUNA

STREAMS: BSC BECO & BTOM Y2S1

TIME: 2 HOURS

DAY/DATE: MONDAY 16/12/2024

8.30 A.M – 10.30 A.M.

INSTRUCTIONS:

- Answer ALL questions in Section A and any TWO questions in Section B.
- Do not write anything on the question paper.

SECTION A (30 MARKS)

1. State and explain five abiotic factors that influence the distribution of vegetation communities in East Africa. [5 Marks]
2. Briefly describe four hunting strategies used by animals in the African Savanna. [4 Marks]
3. Outline five unique characteristics of birds [5 Marks]
4. Using appropriate illustrations/drawings, describe the following morphological features of a plant: [5 Marks]
 - a. Truncate leaf apex
 - b. Palmate leaf venation
 - c. Opposite phyllotaxy
 - d. Zygomorphic flower
 - e. Hypogynous ovary
5. Give one example of a wild animal found in East Africa that belongs each of the following orders:
(a) Perissodactyla (b) Chelonia (c) Lagomorpha (d) Artiodactyla
(e) Cetacea [5 Marks]

6. Explain five precautionary guidelines to avoid being attacked by large carnivores found in East Africa. [5 Marks]

SECTION B (40 MARKS)

7. Discuss the importance of East Africa Flora and Fauna [20 Marks]
8. Discuss the lion (*Panthera leo*) in terms of physical characteristics, habitat, feeding behavior, social behavior and reproduction. [20 Marks]
9. Discuss the characteristics of the African savanna. [20 Marks]
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