



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2023/2024 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL  
RESOURCE MANAGEMENT**

**BACHELOR OF SCIENCE IN TOURISM  
MANAGEMENT**

**COURSE CODE: WRM1103-1**

**COURSE TITLE: INTRODUCTION TO NATURAL  
HISTORY OF EAST AFRICAN FLORA AND  
FAUNA**

**DATE: 31/1/2024**

**TIME: 1430 -1630 HRS**

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## **INSTRUCTIONS TO CANDIDATES**

Answer **ALL** questions in section **A** and any other **THREE** in section **B**.

**SECTION A: Answer all questions (20 marks)**

1. Highlight the importance of fossil records in the study of organisms natural history **(2 marks)**
2. a) Describe characteristics that show birds have a reptilian ancestry **(2 marks)**  
b) Point out how sexual dimorphism is expressed in different species **(2 marks)**
3. a) Explain the importance of mammals to the environment **(5 marks)**  
b) Describe the characteristics that distinguish mammals from other vertebrates **(5 marks)**
4. Elucidate the reason behind high concentrations of Lesser flamingoes in East African alkaline lakes **(4 marks)**

**Section B: Answer two (3) questions (30 marks)**

5. Giving specific examples, discuss the importance of flora and fauna **(10 marks)**
6. Discuss the characteristics that distinguish birds from other vertebrates **(10 marks)**
7. Flora and fauna contributes to tourism and economic development in Kenya.
  - a. Using examples, give an account of the challenges affecting flora and fauna in Kenya. **(6 marks)**
  - b. Highlight some remedial measures to these challenges. **(4 marks)**
8. East African region has diverse and abundant species. Explain the factors that have contributed to this. **(10 marks)**

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