



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2022/2022 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER

**SCHOOL OF TOURISM AND NATURAL RESOURCE
MANAGEMENT**

BACHELOR OF SCIENCE IN TOURISM MANAGEMENT

COURSE CODE: BTM/WRM 1103-1

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

DATE: 08TH DECEMBER 2022

TIME: 08:30 – 10:30

INSTRUCTIONS TO CANDIDATES

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

SECTION A: Answer all questions (20 marks)

1. a) What are fossil records **(1 marks)**
b) Highlight the importance of fossil records in the study of organisms natural history **(2 marks)**
2. a) Define the term sexual dimorphism **(1 marks)**
b) Describe the three (3) mating patterns found in different organisms **(3 marks)**
3. a) Explain the characteristics that differentiate mammal from other vertebrates **(3 marks)**
b) Describe the adaptations of marine mammals to aquatic environments **(4 marks)**
4. Briefly explain three east African habitats/ecosystems and state two important species found in each **(6 marks)**

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

5. Giving specific examples, discuss the economic and ecological importance of fauna and flora **(10 marks)**
6. Discuss the characteristics you would use to between distinguish different birds species in the field **(10 marks)**
7. Despite challenges, wildlife conservation contributes to tourism development and economics.
 - a. Using examples, discuss the challenges affecting flora and fauna in East Africa. **(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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