



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2022/2023 ACADEMIC YEAR  
FIRST YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCE, TOURISM  
AND HOSPITALITY  
DIPLOMA IN TOURISM AND WILDLIFE  
MANAGEMENT**

**COURSE CODE: NDTW 113**

**COURSE TITLE: INTRODUCTION TO NATURAL  
HISTORY OF BIRDS**

**DATE: 8<sup>TH</sup> DECEMBER, 2022**

**TIME: 1430-1630**

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## **INSTRUCTIONS TO CANDIDATES**

Section A is compulsory

Answer any **THREE** questions in section B

**This paper consists of 2 printed pages. Please turn over**

**SECTION A: ANSWER ALL THE QUESTIONS**

**(25 MARKS)**

1. Explain the importance of birds to the environment **(5 marks)**
2. a) Explain why birds defend territories **(2 marks)**  
b) Explain the importance of songs and vocalization in birds **(5 marks)**
3. a) Name six endemic birds species occurring in Kenya **(3 marks)**  
b) Explain the reasons for Kenya having high diversity of birds **(4 marks)**
4. a) Explain factors that makes brood parasites successful **(5 marks)**  
b) While naming examples, explain what are Endemic bird areas (EBA) **(4 marks)**
5. Briefly explain factors that make birds effective in flight **(4 marks)**

**SECTION B: ANSWER ANY THREE QUESTIONS (45 MARKS)**

6. Discuss the characteristics that differentiate birds from other vertebrates **(15 marks)**
7. Discuss conservation problems birds faces in Kenya **(15 marks)**
8. Exhaustively explain the importance of determining bird's populations **(15 marks)**
9. a) Giving examples from birds, discuss mating patterns **(7 marks)**  
b) Discuss the methods birds use to avoid predation during nesting **(8 marks)**

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