



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
FIRST YEAR FIRST SEMESTER

SCHOOL OF NATURAL RESOURCE, ENVIRONMENTAL
STUDIES & AGRICULTURE
DIPLOMA IN TOURISM AND WILDLIFE MANAGEMENT

COURSE CODE: NDTW 113
COURSE TITLE: INTRODUCTION TO NATURAL
HISTORY OF BIRDS

DATE: 5/2/2024

TIME: 1100-1300 HRS

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

SECTION A: ANSWER ALL THE QUESTIONS (25MARKS)

1. Using examples, differentiate between generalist and specialist birds (2marks)
2. *Struthio camelus* is the scientific name given to ostrich. What is the term for this naming system? (1marks)
3. State convention's dictates for this naming system (3marks)
4. Define the following terms as used in birds reproductive behaviors
 - a) Polygyny (1mark)
 - b) Polyandry (1mark)
 - c) Social monogamy (1mark)
 - d) Polygynandry (1mark)
5. Explain any **FIVE** social behavior of birds (5marks)
6. a) Name any **THREE** endemic bird's species occurring in Kenya (3marks)
b) While naming examples, explain what are Endemic bird areas (EBA) (2marks)
7. Avian migration is the seasonal movement of birds from one region or habitat to another. Give any **TWO** reasons for these movement in birds (2marks)
8. Calls in same species of birds have a variety of communicative functions with different calls frequently serving different roles. Name **THREE** specific information that birds use calls to communicate amongst themselves (3marks)

SECTION B: ANSWER ANY THREE QUESTIONS (45 MARKS)

9. Discuss economic and biological importance of birds (15marks)
10. Giving examples, discuss **FIVE** foraging strategies in birds (15marks)
11. a) Name any **THREE** bird species conservation status as determined by the International Union for Conservation of Nature (IUCN) (3marks)
b) Discuss any **SIX** conservation problems birds face in Kenya (12marks)
12. Discuss the possible conservation efforts that can help protect and restore birds' population (15marks)

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