



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

FOURTH YEAR FIRST SEMESTER

**SCHOOL OF NATURAL RESOURCE, TOURISM &
HOSPITALITY**

**BACHELOR OF SCIENCE IN WILDLIFE
RESOURCE MANAGEMENT**

COURSE CODE: WRM 4131-1

COURSE TITLE: AVIAN MANAGEMENT

DATE: 5/12/2023

TIME: 1100-1300 HRS

INSTRUCTIONS TO CANDIDATES

Answer **All** the Questions in Section A and any **THREE** IN SECTION B
This paper consists of TWO printed pages. Please turn over

SECTION A (20 MARKS)

1. Differentiate between the following terms;

- i) Polygamy and promiscuity in birds (1 Mark)
- ii) Wildlife corridors and stepping stones (1 Mark)
- iii) Facultative and obligate brood parasitism (1 Mark)
- iv) Environmental and demographic stochasticity (1 Mark)
- v) Endangered and threatened bird species (1 Mark)

2. Briefly explain five genetic effects faced by avian populations that exist in very small numbers. (5 Marks)

3. Outline five categories of rarity in birds. (5 Marks)

4. The Indian house crow, *Corvus splendens*, an introduced species, has become overpopulated and is a threat to the survival of other bird species. List down five ways such introduced species may adversely affect native birds.

(5 Marks)

SECTION B (30 MARKS)

5. Discuss the factors that have caused long-term changes in bird populations globally. (10 Marks)

6. Discuss the challenges facing avian conservation and management today. (10 Marks)

7. Discuss adverse conditions that affect migratory birds and how, as an avian manager, you would tackle them. (10 Marks)

8. Discuss management strategies that may be applied to save threatened avian species from extinction (10 Marks)

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