

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
SCIENCE IN ECOTOURISM

WIEM 343: ORNITHOLOGY

STREAMS: WIEM (Y4S2)

TIME: 2 HOURS

DAY/DATE: TUESDAY 09/04/2024

8.30 A.M. – 10.30 A.M.

INSTRUCTION

- Answer all questions in SECTION A and any two in SECTION B
- Do not write on this question paper

SECTION A: 30 marks

1. Identify the distinguishing characteristics for birds. (4 marks)
2. Write characteristics differentiating the following birds in the field:
 - a) Darters and Cormorants (2 marks)
 - b) Storks and Herons (2 marks)
 - c) Helmeted guinea fowl and crested guinea fowl. (2 marks)
3. Assume you have been given a responsibility to train some bird watching enthusiasts to identify birds in the field. Briefly describe FIVE important ways of bird identification you will train them on. (5 marks)
4.
 - a) Differentiate between songs and calls in birds. (2 marks)
 - b) Describe THREE roles of songs in birds. (3 marks)
5. Give TWO examples each of the following:
 - a) Forest birds (2 marks)

- b) Grassland birds (2 marks)
 - c) Wetland birds (1 marks)
6. Briefly explain the process through which birds get their behaviour. (5 marks)

SECTION B (40 marks)

7. Using examples, discuss bird behaviour under the following contexts:
- a) Individuals (10 marks)
 - b) Social (10 marks)
8. a) Discuss courtship in relation to female birds. (10 marks)
- b) Successful breeding is of utmost importance to any living organism. In this context, discuss using appropriate examples strategies used by birds to ensure successful nesting. (10 marks)
9. Discuss 10 considerations for learners while out in the field to identify birds. (20 marks)
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