

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF SCIENCE IN  
ECOTOURISM MANAGEMENT**

**WIEM 343: ORNITHOLOGY**

**STREAMS: BSC ECOTOURISM Y4S2**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 20/09/2021**

**8.30 A.M – 10.30 A.M**

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**INSTRUCTIONS**

- Answer all in section A and any other two in section B**
- Do not write anything on the question paper**

**SECTION A (30 MARKS)**

Q1. Write short notes on the following concepts used in ornithology.

- (a) Bird ringing [2 marks]
  - (b) Ratites [2 marks]
  - (c) Anting [2 marks]
2. Highlight some of the features of a bird you would use to identify a bird that is on flight. [4 marks]
3. Briefly explain three features you can use to age birds in the field. [6 marks]
4. Giving a reason, outline four locations you would consider putting up a mist net at Mount Kenya forest. [4 marks]
5. Distinguish between colour and pattern and explain how each is used during identification of birds. [6 marks]
6. Highlight four features female birds look for when choosing a mate. [4 marks]

**SECTION B ( 40 MARKS)**

7. To take care of their own body, birds tend to direct some behaviours towards their own welfare. Discuss the maintenance and feeding behaviors exhibited by different species of birds. [20 marks]
  8. (a) Using relevant examples, discuss the mechanisms employed by birds to defend their nests from predators. [12 marks]
  9. You have been requested to count birds in Laikipia ecosystem comprising of grassland, forest, wetland and bushland microhabitats. Describe a method you would use to count birds in each of the micro habitat. [20 marks]
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