



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR**

THIRD YEAR FIRST SEMESTER

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT**

**BACHELOR OF SCIENCE IN WILDLIFE
MANAGEMENT**

COURSE CODE: WLM 350

COURSE TITLE: ORNITHOLOGY

DATE: 18TH APRIL, 2018

TIME: 08:30 - 10:30 AM

INSTRUCTIONS TO CANDIDATES

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

This paper consists of 2 printed pages. Please turn over

Section A: Answer all question (25 marks)

1. a) Name four characteristics that shows birds have a reptilian ancestry **(2 marks)**
b) Explain characters in support of birds endothermic condition **(2 marks)**
2. Give reasons why the number of bird's species breeding in tropical region is much higher than in the polar region **(4 marks)**
3. a) Using named examples, explain the three mating patterns in birds **(3 marks)**
b) What is brood parasitism? **(1 marks)**
4. Briefly explain factors that make birds to have a very effective and efficient respiratory system **(5 marks)**
5. a) Outline the characters you can use to identify birds in the field **(5 marks)**
b) Briefly explain the importance of migration in birds **(3 marks)**

Section B: Answer three (3) questions only (45 marks)

6. Discuss in details the characteristics that differentiate birds from other vertebrates **(15 marks)**
7. a) Discuss in details the challenges that bird's conservation efforts faces in Kenya today **(8 marks)**
b) Exhaustively explain how these challenges named in 7a above can be countered **(7 marks)**
8. Exhaustively discuss the values of conserving birds in Kenya **(15 marks)**
9. Discuss in details adaption's that have made birds effective in flight **(15 marks)**

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