



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**SCHOOL OF AGRICULTURAL AND FOOD SCIENCES**

**THIRD YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE  
OF BACHELOR OF SCIENCE IN ANIMAL SCIENCE**

**2019/2020 ACADEMIC YEAR**

**SPECIAL EXAMS/RESIT**

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COURSE CODE: AAS 3423

COURSE TITLE: Non-conventional Farm Animals

EXAM VENUE:

STREAM: BSc. Animal Science, Y4, S2

DATE:

EXAM SESSION:

TIME: 2 HOURS

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**SPECIAL EXAMINATION**

**Instructions:**

1. Answer ALL the questions in section A and any TWO in section B.
  2. Candidates are advised not to write on the question paper.
  3. Candidates must hand in their answer booklets to the invigilator while in the examination room.
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## SECTION A [30 MARKS]

**Answer ALL questions in this Section.**

1. a. Briefly explain **two** environmental benefits of insects when used as feed/food. [4 Marks]  
b. Briefly explain two key issues that need to be looked at to ensure that insects are safe for consumption. [4 Marks]  
c. Briefly explain what we mean by non-conventional animals. [2 Marks]
2. a. Briefly explain three aspects that may result in an ostrich chick being culled soon after hatching [6 Marks]  
b. List four traits we can use to select ostriches for reproductive performance. [4 Marks]
3. a. List four key factors that you should consider before choosing a location for a quail farm. [4 Marks]  
b. Briefly explain three challenges that one can face when starting a quail business and one way in which each can be overcome. [6 Marks]

## SECTION B [40 MARKS]

**Answer any TWO QUESTIONS from this Section.**

4. a. Discuss two key factors you need to consider before setting up an ostrich farm. [8 Marks]  
b. Explain the three critical aspects of an incubator that must be ensured for efficient hatching of ostrich eggs. [12 Marks]
5. a. Briefly explain four key factors you should critically examine when conducting costing and economic analysis before setting up a quail farm business. [8 Marks]  
b. Discuss three strategies you can use for your quail farm business to make sure it successfully competes in the market. [12 marks]
6. Discuss the four steps you should follow in order to set up a crocodile farm. [16 Marks]  
b. Briefly explain how the cannibalistic behaviour of crocodiles is of benefit in crocodile farming. [4 Marks]