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

**SCHOOL OF AGRICULTURAL AND FOOD SCIENCES**

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

**2016/2017 ACADEMIC YEAR**

**REGULAR**

**COURSE CODE: LAS3415**

**COURSE TITLE: POULTRY PRODUCTION**

**EXAM VENUE: STREAM: BSc. ANIMAL SCIENCE**

**DATE: EXAM SESSION:**

**TIME: 2 HOURS**

**Instructions:**

1. **Answer ALL questions in section A and ANY other 2 Questions in section B.**
2. **Candidates are advised not to write on question paper.**
3. **Candidates must hand in their answer booklets to the invigilator while in the examination room.**

**SECTION A [30 MARKS]**

**Answer ALL questions from this Section.**

1. Define the following terms with examples:
   1. Poultry production **(2 Marks)**
   2. brooding **(2Marks)**
   3. layer **(2 Marks)**
2. Briefly explain the following poultry production systems
   1. Intensive system **(2 Marks)**
   2. Semi intensive (2 **Marks)**
   3. Free range **(2 Marks)**
3. Explain the following
   1. Factors affecting egg fertility and hatchability **(3 marks)**
   2. hatchery operations **(3 marks)**
   3. Factors to consider in selecting a breeding stock **(3 Marks)**
4. Discuss the management of indigenous poultry under the following:
   1. Housing **(3 Marks)**
   2. Feeding **(3 Marks)**
   3. Disease Control 3 **Marks)**

**SECTION B [40 MARKS]**

**Answer ANY TWO questions from this Section.**

1. The main aim of a poultry enterprise is to maximize on profits. Discuss environmental factors affecting poultry performance and how they impact on production.

**(20 Marks)**

1. Discuss the management of the following: **(20 Marks)**
2. Breeding stock
3. Management of broilers
4. Management of layers

1. Discuss the important factors to consider when siting a poultry unit clearly outlining the types of houses and the equipments**. (20 marks)**
2. Discuss hatchery operations under the following : (20 marks)
   1. Egg storage
   2. Egg setting
   3. Setter operation
   4. Chick pull and processing