



**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: AAS 3412

COURSE TITLE: POULTRY PRODUCTION

EXAM VENUE:

DATE:

STREAM: BSc. ANIMAL SCIENCE

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:
 - a. Poultry production (2 Marks)
 - b. brooding (2 Marks)
 - c. layer (2 Marks)

2. Briefly explain the following poultry production systems
 - a. Intensive system (2 Marks)
 - b. Semi intensive (2 Marks)
 - c. Free range (2 Marks)

3. Explain the following
 - a. Factors affecting egg fertility and hatchability (3 marks)
 - b. hatchery operations (3 marks)
 - c. Factors to consider in selecting a breeding stock (3 Marks)

4. Discuss the management of indigenous poultry under the following:
 - a. Housing (3 Marks)
 - b. Feeding (3 Marks)
 - a. Disease Control 3 Marks)

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section.

5. 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)

6. Discuss the management of the following: (20 Marks)
 - a. Breeding stock
 - b. Management of broilers
 - c. Management of layers

7. Discuss the important factors to consider when siting a poultry unit clearly outlining the types of houses and the equipments. (20 marks)

8. Discuss hatchery operations under the following : (20 marks)
 - a. Egg storage
 - b. Egg setting
 - c. Setter operation
 - d. Chick pull and processing