



**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 IN ANIMAL SCIENCE**

2016/2017 ACADEMIC YEAR

REGULAR

COURSE CODE: AAS 3418

COURSE TITLE: RABBIT 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:
 - a. Kiddling (2 Marks)
 - b. Kits (2 Marks)
 - c. Fecundity (2 Marks)
2. Differentiate between the following
 - a. Ear tattoo and ear clip (2 Marks)
 - b. Cecotropes and hard pellets (2 Marks)
 - c. Californian white and new Zealand white (2 Marks)
3. Briefly describe the following rabbit illnesses
 - a. Caked mammary glands (2 marks)
 - b. Abscesses (2 marks)
 - c. Conjunctivitis (2 marks)
4. Describe the following hair structure mutations in rabbits
 - a. Angora (2 Marks)
 - b. Rex (2 Marks)
 - c. Hairlessness (2 Marks)
5. Differentiate, giving at least two examples of each, the following major classifications of rabbit breeds
 - a. Heavy and average breeds (3 marks)
 - b. Synthetic and mendelian breeds (3 marks)

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section.

6. Most of the feeds that are fed to rabbits are potentially poisonous and there is a relationship between the toxicity of the feed and the amount fed
 - a) List five and briefly discuss the effect of five phytotoxins found in rabbit feeds (10 marks)
 - b) Discuss three reasons why a farmer can choose to rear rabbits (6 marks)
 - c) What are the four principles of rabbit feeding? (4 marks)
7. Backyard rabbitry is especially well suited to small scale farmers, whether they own land or not.
 - a) Give the advantages associated with rabbit production (6 marks)
 - b) What are some of the constraints that hinder rabbit production in the tropics? (5 marks)
 - c) In rabbit production what are the normal management practices that a producer should familiarize with (6 marks)
 - d) Describe how you can feel the pulse rate of a rabbit (3 marks)
8. In rabbit production, handling of rabbits is an important management aspect. Describe the procedure of:
 - a) Removing a rabbit from its cage (6 marks)
 - b) Replacing the rabbit back into its cage (6 marks)

- c) What are the don'ts of picking up rabbits? **(2 marks)**
- d) Discuss the importance of crude fibre in rabbit diets **(6 marks)**
- 9. a) Briefly describe the normal courtship behavior that male rabbits sometimes display when a doe is placed in its cage. **(8 marks)**
- b) What is pseudo-pregnancy and what are its causes? **(5 marks)**
- c) Describe the breeding schedule of does **(7 marks)**