



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

**SECOND YEAR SECOND SEMESTER UNIVERSITY EXAMINATION FOR THE  
DEGREE OF BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT AND  
BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION EDUCATION**

**2017/2018 ACADEMIC YEAR**

---

**COURSE CODE : AAS 3214**

**COURSE TITLE: LIVESTOCK PRODUCTION SYSTEM**

**EXAM VENUE:**

**STREAM: BSc. (Agribusiness**

**Management) and BSc. (Agricultural  
Extension Education)**

**DATE:**

**EXAM SESSION:**

**TIME: 2 HRS**

---

**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. a) Explain how disease and parasites can be controlled in commercial pig production system. (4 Marks)
- b) How can breeding in fish pond be controlled. (3 Marks)
- c) Identify and explain two rabbit production systems. (2 Marks)
2. a) Outline pig feeding systems. (3 Marks)
- b) Ducks and geese are collectively referred to as waterfowls. Briefly discuss the positive attributes about waterfowls in poultry production system. (5 Marks)
- c) Highlight how livestock contribute to climate change. (4 Marks)
3. a) Highlight the importance of bee in an ecosystem. (3 Marks)
- b) Briefly discuss how choice of different livestock mixes may enhance production in rangelands (4 marks)
- c) List breeds of camel in Kenya. (2 Marks)

**SECTION B [40 MARKS]**

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

4. Discuss how expanding livestock production systems and increasing numbers of cattle impact the quantity and quality of rangeland and forest cover in Kenya. (20 Marks)
5. Different aquaculture production systems have been developed to meet both the economic needs of the producer and the requirements of the species to be cultured. Discuss these production systems. (20 marks)
6. Goats can be kept in extensive, semi-intensive or intensive production systems depending on the availability of land. Discuss these production systems. (20 Marks)