



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF AGRICULTURE AND FOOD SCIENCES**

**SECOND SEMESTER SECOND YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT AND BACHELOR
OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION 2019/2020
ACADEMIC YEAR**

SIAYA CAMPUS

COURSE CODE: AAS 3229

COURSE TITLE: Livestock Production Systems

EXAM VENUE:

**STREAM: (BSc. Agribusiness Management;
BSc. Agricultural Education and Extension)**

DATE:

EXAM SESSION:

TIME: 2HOURS

Instructions:

- 1. Answer ALL questions in Section A (compulsory) and ANY TWO questions 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**

SECTION A [30 MARKS]

Answer ALL questions from this section

1. What do you understand by a “system” [2 marks]
2. State the six major factors affecting profit margin in a beef feedlot production system. [5 marks]
3. What is a price margin in a beef feedlot system and how is it calculated? [5 marks]
4. What are the main characteristics of intensive broiler production systems? [5marks]
5. Explain the major challenges facing farmers practicing background (semi-intensive) poultry production system. [5marks]
6. What is the major disease challenge in agropastoral systems which is also a risk to humans? [5marks]
7. List five major dairy processing industries in Kenya and where they are located. [3marks]

SECTION B [40 MARKS]

Answer any TWO QUESTIONS in this Section.

8. Management has a major influence on the profitability of a feedlot enterprise. Which management aspects are important in ensuring increased profitability? [20 marks]
9. Which are the major components of a zero-grazing unit and their importance. [20 marks].
10. Distinguish between ‘Pastoralism’ and ‘Ranching’ stating the salient features of each production system. [20 marks]
11. Discuss the main types of fish farming systems giving examples of fish species appropriate for each system. [20marks]
12. The concept of direct use value puts together under one heading all the various economic benefits desired from livestock. Discuss briefly the main financial benefits rural Kenyans derive from livestock keeping. [20marks]