



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE IN
AGRIBUSINESS MANAGEMENT
SECOND YEAR SECOND SEMESTER 2013/2014 ACADEMIC YEAR

REGULAR

COURSE CODE: AAS 3222

COURSE TITLE: Livestock Production Systems

EXAM VENUE:LR 2

STREAM: BSc (Agribusiness Management)

DATE: 10/12/14

EXAM SESSION: 2.00 – 4.00PM

TIME: 2.00 HOURS

Instructions:

- 1. Answer ALL question in Section A (compulsory) and ANY other 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 in this Section.

1. a) List ten (10) farm structures. [5 marks]
b) Briefly discuss five (5) factors which affect the design of structures. [5 marks]
2. a) List four (4) aids to estrous detection. [2 marks]
b) Enumerate emerging livestock species in the country. [2 marks]
c) Give the major reasons for drying a cow. [3 marks]
d) Briefly outline the dairy value chain. [3 marks]
3. a) Briefly discuss constraints to beef cattle marketing. [3 marks]
b) List systems of beef production. Give an example each. [2marks]
c) Using a sketch diagram, illustrate relationship of various production systems in integrated system. [5 marks]

SECTION B [40 MARKS]

Answer any TWO QUESTIONS in this Section.

4. Using examples, discuss some key drought coping strategies used by pastoralists in the arid agro-ecological zones in Kenya. [20 marks]
5. (a) Briefly outline ten (10) major constraints to the animal industry in Kenya. [10 marks]
(b) Suggest ways that could help the country overcome these constraints. [10 marks]
6. (a) Describe the relationship between global warming and man's activities. [10 marks]
(b) Discuss the main consequences of global warming. [5 marks]
(c) Describe the main ways in which *Bos indicus* cattle adapt to hot climates. [5 marks]