



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

**THIRD YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE
OF BACHELOR OF ANIMAL SCIENCE**

2016/2017 ACADEMIC YEAR

CENTRE: MAIN CAMPUS

COURSE CODE: AAS 3314

COURSE TITLE: LIVESTOCK PRODUCTION SYSTEMS

EXAM VENUE:

STREAM: Animal Science

DATE:

EXAM SESSION:

TIME:

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

ANSWEE ALL QUESTIONS IN THIS SECTION

1. a) Water quality influence type of fish that can be reared. Giving examples, briefly discuss the statement. (5 marks)
b) Briefly discuss three methods of meat preservation (3 marks)
c) Enumerate emerging livestock species in the country. (2 marks)

2. i. What do you understand by the following terms;
 - a. Whey (1 marks)
 - b. Starter culture (1 marks)
 - c. Butter (1 marks)
 - d. Skimmed milk (1 marks)

- ii. List factors which affect the selection of pigs for breeding. (3 Marks)

- iii. In calf management, what are the disadvantages of group housing? (3 marks)

3. a. Briefly outline how camels are adapted to producing in arid environment.(3 marks)
b. Outline threats to increased poultry production in Africa. (4 marks)
c. Brooding is an important activity in the production cycle of chickens. Outline this management component. (3 marks)

SECTION B : 40 MARKS

ANSWER ANY TWO QUESTIONS IN THIS SECTION

4. a. Dairy goat is a “poor man’s cow”. Shed light on this statement. (10 Marks)
b. Outline beef stock management strategies in range lands.(10 Marks)

5. a) Describe the relationship between global warming and man activities.(10 marks)
b) Discuss the main consequences of global warming. (5 marks)

c) Describe the main ways in which Bos indicus cattle are adapted to hot climates. (5 marks)

6. Discuss the different livestock production system and their challenges. (20 Marks)

