



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

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**THIRD YEAR SECOND SEMESTER UNIVERSITY EXAMINATION FOR THE
DEGREE OF BACHELOR OF AGRIBUSINESS MANAGEMENT**

2016/2017 ACADEMIC YEAR

REGULAR

COURSE CODE: AAS 3321

COURSE TITLE: RUMINANT AND NON-RUMINANT PRODUCTION

EXAM VENUE: STREAM: B. Sc. Agribusiness Management

DATE: 30/08/2016 EXAM SESSION: 2.00-4.00PM

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and ANY other 4 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 question

1.
 - a. Outline type of feeds which should be given to poultry from chicks to laying stage. **[3 marks]**
 - b. Describe the management practices needed for successful raising of day old chicks in a poultry farm. **[5 marks]**
 - c. Briefly outline steps of rumination **[2 marks]**
 - d. Outline different grazing systems. **[5 marks]**
 - e. Briefly discuss main vitamins including effects of their deficiencies to livestock **[4 marks]**
 - f. Examine the use of synthetic hormones to promote animal growth, and provide examples of growth hormones. **[5 marks]**
 - g. List 3 functions of swine feeds. **[3 marks]**
 - h. Briefly outline functions of digestive system. **[3 marks]**

SECTION B [40 MARKS]

Answer any four question

2.
 - a. Compare and contrast the anatomy and physiology of the avian and ruminant digestive systems. **[10 marks]**
 - b. Compare and contrast the extensive/free range and the intensive system of poultry production. **[10 marks]**
3.
 - a. Discuss challenges to rabbit production in Kenya. **[10 marks]**
 - b. Dairy cows are to be fed according to production and stage of lactation. Discuss. **[10 marks]**
4.
 - a. Nutrition affects both reproduction and production of ruminants and non ruminants. Discuss. **[10 Marks]**
 - b. Discuss selection and management of dairy goats. **[10 marks]**