

**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE**

**AND TECHNOLOGY**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF ANIMAL SCIENCE**

**THIRD YEAR FIRST SEMESTER 2017/2018 ACADEMIC YEAR**

**COURSE CODE: AAS 3314**

**COURSE TITLE: Livestock Production System**

**EXAM VENUE: STREAM:**

**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 in section A**

1. a) Briefly discuss the importance of housing in sheep and goat production system**.( 5 Marks)**

b)Outline how breeding in fish pond can be controlled. **(5 Marks)**

1. a)Highlight forms of identifications for livestock.**( 3 Marks)**

b)Briefly outline various agro ecological zones including type of livestock production system practiced. **( 5 Marks)**

**c)**Outline main animal products from pigs and Ostrich **(2 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**(5 marks)**

**c**) Briefly discuss threats to increased poultry production in Africa.**(3 Marks)**

**SECTION B (40 MARKS)**

**Answer ANYTWO questions in section B**

1. a. Discuss the adaptation of Camels to their production system.**10 marks)**

**b.**Using examples, discuss how animal waste should be managed in pig production system.  **(10 Marks)**

1. a. Discuss pros and cons of under grazing and over grazingin extensive beef production systems.**(10 marks)**

b. Ducks and geese are collectively referred to as waterfowls. Discuss the positive attributes about waterfowls in poultry production system**. (10 Marks)**

**6**.a. List 3 value added products that can be made from goat milk. **(3 Marks)**

b. Discuss the advantages of grazing Cattle, Sheep and Goats together. **(7 Marks)**

c. Discuss basic principles of the management of agricultural ecosystems**( 10 Marks)**