

**UNIVERSITY OF KABIANGA**

**UNIVERSITY EXAMINATIONS**

**2016/2017 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE AND BACHELOR OF SCIENCE IN HORTICULTURE**

**COURSE CODE: ANS 121**

**COURSE TITLE: PRINCIPLES OF ANIMAL PRODUCTION**

**DATE: 21ST JUNE, 2017**

**TIME: 2.00 P.M-5.00 P.M**

**INSTRUCTIONS:**

Answer any **FIVE** Questions.

**QUESTION ONE**

1. Define the following terms as used in the course: (4 marks)
2. Ecosystem
3. Weather
4. Production
5. Productivity
6. Identify the species of the following livestock;
7. Small East African goat. (2 marks)
8. Zebu cow. (2 marks)
9. Outline the economic contributions of livestock to human livelihoods. (12 marks)

**QUESTION TWO**

List any three distinct characteristics and one economic use for the following livestock;

1. Friesian. (4 marks)
2. Yorkshire pig. (4 marks)
3. German Alpine goat. (4 marks)
4. Dorper sheep. (4 marks)
5. Merino sheep. (4 marks)

**QUESTION THREE**

Explain how the following factors affect livestock productivity in Kenya:

1. Breeding. (10 marks)
2. Culture. (10 marks)

**QUESTION FOUR**

Describe the characteristics of the following production systems:

1. Zero grazing system. (10 marks)
2. Semi-intensive system. (10 marks)

**QUESTION FIVE**

Discuss the relationship between organisms in an ecosystem. (20 marks)

**QUESTION SIX**

Write short notes on the breeding methods used in livestock production. (20 marks)