

**Mount Kenya**



**University**

**UNIVERSITY EXAMINATION 2012/2013**

**SCHOOL OF PURE & APPLIED SCIENCE**

**DEPARTMENT OF NATURAL SCIENCES**

**UNIT CODE: DTA 131    UNIT TITLE: AGRICULTURAL 3, ANIMAL HUSBANDRY**

**DATE: NOVEMBER 2012**

**MAIN EXAM**

**TIME: 2HRS**

**INSTRUCTIONS:**

**ANSWER ALL QUESTIONS ONE AND ONLY TWO.**

1. a)(i) Define the terms (2 Mks)
  - a) Health
  - b) Disease(ii) Give causes of livestock diseases (3 Mks)
- b) What are the functions of water in an animal's body? (5 Mks)
- c) (i) Outline the methods used in classifying livestock feed. (2 Mks)
  - (ii) What is the importance's of feed additives? (3 Mks)
- d) Differentiate between qualitative and quantitative inheritance and in each give two examples. (4 Mks)
- e) Describe the lifecycle of two host ticks. (6 Mks)
- f) (i) What is body disease mechanism as used in livestock health? (1 Mk)
  - (ii) Give two examples of disease mechanisms in animals. (2 Mks)
  - (iii) Outline two laboratory methods used in the diagnosis of livestock diseases. (2 Mks)
2. a) Describe the animal disease control under the following subheadings.
  - (i) Vaccination (5 Mks)
  - (ii) Use of antiseptics and disinfectants (5 Mks)
- c) Explain the causes of livestock diseases. (10 Mks)
3. a)(i) Disease digestibility (2 Mks)
  - (ii) Describe the factors affecting digestibility in animals. (8 Mks)
- b) Describe the importance of good health in livestock. (10 Mks)
4. a) Outline the guide used in preparing diagnostic specimens. (10 Mks)
- b) Describe the lifecycle of *Taenia solium* (10 Mks)
5. a) Discuss the visual signs of poor health in livestock. (10 Mks)
- b) Describe the body defense mechanisms in animals. (10 Mks)