



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2012/2013

SECOND YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN FOOD SCIENCE AND NUTRITION

### AHS 2102/2103: ANIMAL PRODUCTION

DATE: APRIL 2013

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

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#### QUESTION ONE – 30 MARKS

- a. Mention and explain briefly the factors that may have motivated man to domesticate livestock. (5 Marks)
- b. Briefly discuss the grading of meat and eggs. (5 Marks)
- c. Briefly explain why chicken cannot effectively utilize grass while cows can. (6 Marks)
- d. Why is it necessary to perform feed analysis? (4 Marks)
- e. Explain the factors that affect growth in livestock. (6 Marks)
- f. List one common food residue found in animal products; explain how it occurs and possible approaches to reduce its occurrence. (4 Marks)

#### QUESTION TWO – 20 MARKS

Discuss negative and positive consequences of livestock keeping to human lives. (20 Marks)

#### QUESTION THREE – 20 MARKS

Discuss approaches, managerial or otherwise used in livestock farms to stop infection and spread of diseases. (20 Marks)

#### QUESTION FOUR – 20 MARKS

- a. Discuss growth and development of livestock at the following stages. (15 Marks)
  - i. Conception to birth
  - ii. Birth to maturity
  - iii. After maturity
- b. Conversion of feeds into animal products is inefficient and wasteful. Using examples explain this statement. (5 Marks)

## **QUESTION FIVE – 20 MARKS**

Write brief notes on the following terms:

(20 Marks)

- i. Energy feed concentrates
- ii. Protein feed concentrates
- iii. Disease immunity
- iv. Milk processing