



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2012/2013

SECOND YEAR, SECOND SEMESTER EXAMINATIONS FOR CERTIFICATE/DIPLOMA IN  
AGRICULTURE

### ANS 0230: NON-RUMINANT PRODUCTION

DATE: AUGUST 2013

TIME: 1½HOURS

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

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#### QUESTION ONE – (30 MARKS)

- Briefly explain the steps that one should take to minimize poultry feed wastage in the poultry production unit. (4 Marks)
- The contribution of livestock to food security in Kenya cannot be over emphasized. However, many nutritional and safety concerns have been raised against animal products. Highlight some of these concerns. (8 Marks)
- There are many factors that determine the size of a piggery unit. Outline any six such factors. (6 Marks)
- Outline any eight challenges that face the apiculture industry in Kenya. (6 Marks)
- Explain the importance of record keeping by farmers who keep non-ruminants. (6 Marks)

#### QUESTION TWO – 15 MARKS

- Name any two fish species reared in Kenya. (2 Marks)
- Outline any five advantages of fish farming. (5 Marks)
- Outline the factors that should be considered in selecting fish species suitable for farming. (5 Marks)
- Explain what you understand by “extensive fish” farming. (3 Marks)

#### QUESTION THREE – 15 MARKS

- Beekeeping is an important economic enterprise in Kenya. Name and explain any five factors that indicate this. (5 Marks)
- Explain what you understand by the following terms regarding beekeeping (5 Marks)
  - Queen
  - Colony
  - Worker
  - Drone
  - Honey bee
- Beekeeping has several advantages when compared to other farm enterprises. Outline any five. (5 Marks)

#### **QUESTION FOUR – 15 MARKS**

- a. There are three poultry rearing systems in Kenya. Name and outline the advantages of each of them. (5 Marks)
- b. Outline any five factors that one should consider before starting up a poultry production enterprise. (5 Marks)
- c. Explain some of the factors that should be considered before sitting a poultry unit. (5 Marks)

#### **QUESTION FIVE – 15 MARKS**

- a. Over the recent past, rabbit keeping has been on the increase. Outline any five reasons why rabbits are kept. (5 Marks)
- b. Name four rabbit breeds. (4 Marks)
- c. Outline any four types of records kept by rabbit farmers. (4 Marks)
- d. Name any two rabbit diseases. (2 Marks)