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University Examinations 2015/2016

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN AGRICULTURAL EXTENSION, BACHELOR OF SCIENCE EDUCATION
SCIENCE (BIOLOGY & AGRICULTURE OPTION) AND BACHELOR OF SCIENCE IN
HORTICULTURE

AAP 3102: INTRODUCTION TO ANIMAL PRODUCTION

DATE: NOVEMBER 2015

TIME: 2 HOURS

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

QUESTION ONE (30 MARKS)

- a) Mention and explain briefly any two livestock management practices that a farmer can use in identifying his animals (5 Marks)
- b) Define the term immunity and describe any two types of immunity an animal can have (5 Marks)
- c) Discuss the benefits of crop-livestock integration (5 Marks)
- d) Discuss how manure impacts negatively on the animal's environment (4 Marks)
- e) Define the term free martin (1 Mark)
- f) List the breeds involved in developing the dual purpose goat breed (4 Marks)
- g) Outline the important phenotypic characteristics of a dairy cow (6 Marks)

QUESTION TWO (20 MARKS)

- a) Define the following terms (2 Marks)
 - i) Animal breeding
 - ii) Population

- b) Mr. Mutwiri needs to improve his dairy herd. Discuss in detail one of the tools you would recommend to him as a means of improving his herd. (8 Marks)
- c) Discuss any five factors considered in organic livestock production (10 Marks)

QUESTION THREE (20 MARKS)

- a) Discuss the positive and negative roles of livestock in food security (10 Marks)
- b) Explain any two methods used in identifying animals (4 Marks)
- c) Discuss the importance of ventilation in the welfare of the animals (6 Marks)

QUESTION FOUR (20 MARKS)

- a) Discuss the basic principles of heard/flock health management (10 Marks)
- b) Discuss how temperature and rainfall affect livestock productivity (10 Marks)