



MACHAKOS UNIVERSITY

University Examinations for 2017/2018 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

FIRST YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE IN
AGRIBUSINESS MANAGEMENT

ANS 101: PRINCIPLES OF ANIMAL PRODUCTION

DATE: 19/12/2017

TIME: 2.00-4.00 PM

Instructions:

Answer ALL questions in section A and ANY TWO questions in section B

SECTION A COMPULSORY

QUESTION ONE (30 MARKS)

- a) Explain the importance of farm livestock planning (4 marks)
- b) Explain the role of livestock in the Kenyan economy (4 marks)
- c) Distinguish between *Bos indicus* and *Bos Taurus* cattle breeds (4 marks)
- d) Explain **FOUR** factors affecting fish marketing in Kenya (4 marks)
- e) Describe **FOUR** goat products and their use (4 marks)
- f) i) Camels are 'pseudo ruminant' animals. Explain. (2 marks)
ii) Compare feeding habits of sheep and goats (4 marks)
- g) Explain the importance of housing in livestock production (4 marks)

SECTION B. ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

- a) Explain **FIVE** farm surveying tools and their use (10 marks)
- b) Explain **FIVE** factors to be considered in planning an animal farm-stead (10 marks)

QUESTION THREE (20 MARKS)

- a) Describe **FIVE** constraints facing livestock production in Kenya (10 marks)
- b) Explain **TWO** ways of classifying farm animals (10 marks)

QUESTION FOUR (20 MARKS)

- a) Explain **FIVE** ways that the environment of dairy cattle can affect milk production (10 marks)
- b) Describe **FIVE** factors affecting water quality in aquaculture (10 marks)

QUESTION FIVE (20 MARKS)

- a) Relate **FIVE** important factors of record keeping to livestock production enterprises. (10 marks)
- b) Explain **FIVE** causes of infertility in Livestock (10 marks)