

University Examinations for 2017/2018 Academic Year

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

SUPPLEMENTARY/SPECIAL

SECOND SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE IN AGRICULTURE EDUCATION AND EXTENSION

ANS 301: RUMINANT ANIMAL PRODUCTION

Date: Time:

Instructions QUESTION ONE and any two questions in section B

QUESTION ONE

- a) Explain **TWO** occasions where paint is used to identify animals (4mks)
- b) Explain the advantages of full hand milking (4mks)
- c) Explain **TWO** advantages of crossing Bos indicus and Bos taurus cattle breeds in the tropics (4mks)
- d) Explain **FOUR** reasons for housing livestock (4mks)
- e) Explain the terminology 'fertility' (2mks)
- f) Explain the importance of the following.
 - i. Body condition (2mks)
 - ii. Dehorning (2mks)
- g) Distinguish between in breeding and line breeding (4mks)
- h) Describe **FOUR** management activities that should be done on kidding (4mks)

SECTION B. Answer any TWO questions in this section

QUESTION TWO

- a) Explain FIVE advantages of mating heifers using Artificial insemination (10mks)
- b) Describe 5 characteristics for a breeding doe (10mks)

QUESTION THREE

- a) The teeth of an animal will determine its productivity and longevity of service to the farmer. Describe how the age of sheep can be determined using its teeth (10mks)
- b) Explain FIVE advantages of partitioning a sheep house (10mks)

QUESTION FOUR

- a) Describe FIVE factors that hinder Kenya from fully benefiting from animal ruminant livestock (10mks)
- b) Describe FIVE premating activities that should be carried out in bucks (10mks)

QUESTION FIVE

- a) Describe **FIVE** practices to be considered when weaning lambs (10mks)
- b) Explain **FIVE** roles of camels in the pastoralist economy (10mks)