

# Uganda Martyrs University

## Faculty of Agriculture

B. Agriculture II Semester I Final Exams: 2018/2019

**Course Unit: CRE 2104: Ruminant Animal Husbandry**

Time: 09:30 am – 12:30 pm

Date: Tuesday, 11<sup>th</sup> December, 2018

**Instructions:**

- i. Attempt **FOUR** questions, at least one question from each of the sections
  - ii. *Do not write anything on a question paper*
  - iii. *Time: Three hours*
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**Section A**

1. a) Explain five of the considerations used in selection of a dairy breed. (10marks)
- b) Write short notes on 5 of the exotic dairy breeds giving at least 3 features that make each of them suitable for dairy production. (15marks)
2. a) What is extensive dairy farming? (5marks)
- b) List the 2 production systems of extensive dairy farming and give advantages and disadvantages of each (10marks)
- c) Compare and contrast intensive and extensive systems of dairy production (10marks)
3. a) List the components of milk and give the factors that influence their variation. (10marks)
- b) Give three methods of calf rearing and explain the circumstance where each is suitable (15 marks)
4. As an extension agent in charge of dairy management, explain the management of dairy cows in respect to the following:
  - a) Husbandry practices (7marks)
  - b) Environment control and housing (6 marks)
  - c) Health management (7 marks)
  - d) Lactation management (5 marks)

## **Section B**

5. Write short notes on the following:
- a) Heritability (5 marks)
  - b) Cross breeding (5 marks)
  - c) A breed (5 marks)
  - d) An embryo (5 marks)
  - e) Recipient cows (5 marks)
6. a) Beef production cycles and financial considerations have a sound beef production investment. Discuss this statement (10marks)
- b) Discuss the breeding objectives in beef cattle production
- c) List any five good and appropriate reproductive technologies in beef production (5 marks)

## **Section C**

7. a) Describe the signs of heat in a doe (10 marks)
- b) Explain ways in which you would influence breeding in goats (15 marks)
8. Describe the different factors you would consider in selection of goats for meat and milk production (25 marks)