



# The Co-operative University of Kenya

**END OF SEMESTER EXAMINATION AUGUST -2018**

**EXAMINATION FOR THE DIPLOMA IN AGRIBUSINESS MANAGEMENT**

**(YR I SEM II)**

**UNIT CODE: DAFS 1205**

**UNIT TITLE: INTRODUCTION TO ANIMAL PRODUCTION**

**DATE: 27<sup>TH</sup> AUGUST, 2018**

**TIME: 9:00 AM – 11:00 AM**

## **INSTRUCTIONS:**

- Answer question **ONE (compulsory)** and any other **TWO** questions

## **QUESTION ONE**

- (a) Define the following terminologies as used in animal production.
- (i) Beef cattle. (1 Mark)
  - (ii) Ration (1 Mark)
  - (iii) Grower (1 Mark)
  - (iv) Farrowing (1 Mark)
  - (v) Doe (1 Mark)
  - (vi) Calving down (1 Mark)
- (b) Discuss the **THREE** types of animal production systems. (6 Marks)
- (c) Discuss the role of animal production in Kenya. (6 Marks)
- (d) List down **TWO** breeds of each of the following livestock animals. (6 Marks)
- (i) Dairy cattle
  - (ii) Rabbits
  - (iii) Poultry
- (e) State and explain signs of a livestock on heat. (6 Marks)

## **QUESTION TWO**

- (a) Give examples of animal production records and explain their importance. (12 Marks)
- (b) Explain the effects of the following on breeding herd. (8 Marks)
- (i) Inbreeding
  - (ii) Outbreeding
  - (iii) Selection
  - (iv) Random mating

## **QUESTION THREE**

- (a) What are the basic differences between ruminants and non-ruminants. (4 Marks)
- (b) Discuss the characteristics of beef cattle. (6 Marks)
- (c) Discuss the importance of sheep and goat as source of food in Kenya. (10 Marks)

## **QUESTION FOUR**

- (a) Distinguish between the following terms
- (i) Production and maintenance ration. (4 Marks)
  - (ii) Inbreeding and cross breeding (4 Marks)
  - (iii) Dry matter and crude protein (4 Marks)
- (b) A pig farmer wish to compute a ration containing 16% protein using maize containing 11% and cereal balancer containing 36% protein. Use the Pearson's square method to determine the amount of maize and cereal balancer the farmer need to make 100kg of such a ration.

**QUESTION FIVE**

- (a) State FIVE characteristics of dairy cattle. (5 Marks)
- (b) Outline the contents of the following production records. (5 Marks)
  - (i) Farrowing records
  - (ii) Litter record
- (c) Discuss the advantages of artificial insemination. (5 Marks)
- (d) List down FIVE common breeds of rabbits reared in Kenya. (5 Marks)