



The Co-operative University of Kenya

END OF SEMESTER EXAMINATION DECEMBER-2019

EXAMINATION FOR THE DIPLOMA IN AGRIBUSINESS MANAGEMENT
(YR I SEM II)

UNIT CODE: DAFS 1206

UNIT TITLE: RUMINANT PRODUCTION SYSTEMS

DATE: 4TH DECEMBER, 2019

TIME: 2:00 PM – 4:00 PM

INSTRUCTIONS:

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

QUESTION ONE

- (a) Define the following terms (4 marks)
- Production ration
 - Breed
 - Ruminant plus animal
 - Ration
- (b) State FOUR factors that should be considered in construction of a dairy unit (4 marks)
- (c) Name THREE breeds of camel (3 marks)
- (d) Differentiate between Agrosilvipastoral system and Agrosilvicultural systems (4 marks)
- (e) List FIVE advantages of zero grazing unit (5 marks)
- (f) Explain the role of ruminant animals in the national economy and households (10 marks)

QUESTION TWO

- (a) State THREE reasons for studying livestock production system (3 marks)
- (b) Discuss the factors that should be considered in cattle breed selection (7 marks)
- (c) Write short notes on the following ruminant production systems (10 marks)
- Intensive systems
 - Extensive system

QUESTION THREE

- (a) Differentiate between transhumance and nomadic systems (4 marks)
- (b) Discuss potential risks of keeping ruminant animals (6 marks)
- (c) Name TWO breeds of each of the following ruminant animals, dairy cattle, goat and sheep (6 marks)
- (d) Discuss nutritional benefits of camel milk (4 marks)

QUESTION FOUR

- (a) Discuss the nutritional and economic importance of ruminant animals (10 marks)
- (b) List down TWO products obtained from each of the following ruminant animals (6 marks)
- Cattle
 - Goat
 - Sheep
- (c) Discuss the strategies for improving high milk production in dairy cattle (4 marks)

QUESTION FIVE

- (a) Discuss the advantages of keeping ruminant animals (10 marks)
- (b) Outline the factors that affect intake by ruminant animals (10 marks)