



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2019/2020

DIGITAL SCHOOL OF VIRTUAL AND OPEN LEARNING (DSVOL)
SECOND SEMESTER EXAMINATION FOR THE DEGREE OF
MASTER OF SCIENCE IN ANIMAL NUTRITION AND MANAGEMENT
KRM 856: ADVANCED ANIMAL PHYSIOLOGY

DATE: WEDNESDAY, 21ST OCTOBER 2020

TIME: 2.00 P.M. - 5.00 P.M.

INSTRUCTIONS:

Answer Question ONE and any other THREE Questions.

1. a) Explain the following physiological processes in farm animals:
 - i) Regulation of calcium in the animal body.
 - ii) Mechanism that regulates neural reflexes. (10 marks)
- b) Explain the impact of high environmental temperatures in animal production (10 marks)
- c) Describe the role of ruminal microflora in nutrition. (10 marks)
2. Describe the mechanisms used to control female reproductive system in cattle. (10 marks)
3. Discuss the function of the kidney (10 marks)
4. Discuss the factors that influence growth and development in animals. (10 marks)
5. Discuss the role of the autonomic nervous system (10 marks)