



SOUTH EASTERN KENYA UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN DRYLAND ANIMAL SCIENCE

ANS 103: ANIMAL PHYSIOLOGY AND VETERINARY ANATOMY

DATE: 11TH APRIL 2017

TIME: 10.30 -12.30 PM

Answer all questions in SECTION A and any two (2) in SECTION B.

SECTION A (30 MARKS)

- Q1 Briefly outline the distribution of fluids in the body (6 Marks)
- Q2. Draw a well labeled diagram of the female reproductive system of a cow (6 Marks)
- Q3. Explain the functions of air sacs in birds (6 Marks)
- Q4. Briefly outline the functions of the nervous system (6 Marks)
- Q5. Using a diagram, describe the gross anatomy of a bee (6 Marks)

SECTION B (40 MARKS)

- Q6. Briefly discuss the functions of muscles and the skeleton (20 Marks)
- Q7. Explain how a ruminant stomach is adapted for digestion of roughage (20 Marks)
- Q8. Outline the functions of the following:
- (a) Blood (4 Marks)
 - (b) Lymphatic system (4 Marks)
 - (c) Testis (4 Marks)
 - (d) Alveoli (4 Marks)
 - (e) Abomasum (4 Marks)