



SOUTH EASTERN KENYA UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN RANGE MANAGEMENT, DRYLAND AGRICULTURE, AGRICULTURAL EDUCATION & EXTENSION AND BACHELOR OF EDUCATION

ANS 103: ANIMAL PHYSIOLOGY AND VET. ANATOMY

DATE: 14TH DECEMBER, 2017

TIME: 4.00 -6.00 PM

Instructions

Answer all questions in section A and any two in section B

SECTION A [30 Marks]

1. Distinguish between ontogeny and embryology (6 marks)
2. Using a diagram describe how lymphatic fluid is formed (6 marks)
3. Explain how components of a homeostasis mechanism operate (6 marks)
4. Explain briefly how the heart receives its blood supply (6 marks)
5. a. Define the Nerve impulse (2 marks)
b) What is the origin of resting membrane potential in the nerve (4 marks)

SECTION B [40 Marks]

6. Describe how digestion in the ruminant differs from that in the dog (20 marks)
7. Describe briefly the functions of blood (20 marks)
8. Discuss the importance of the kidney in ruminants (20 marks)