



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS **2017/2018 ACADEMIC YEAR**

SECOND YEAR 1ST SEMESTER MAIN EXAMINATIONS

FOR THE DEGREE OF BSc AGRIC AND BIOTECH, BSc AGRIC ECON AND RESOURCE MANAGEMET

COURSE CODE:

SAB 220

COURSE TITLE:

ANIMAL PHYSIOLOGY

DATE: 18TH JANUARY 2018

TIME: 9-11 AM

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

Question 1

a)	Define th	ne following	Animal	Physiology to	erms
----	-----------	--------------	--------	---------------	------

i.	Physiology	(2 Marks)
ii.	Homeostasis	(2 Marks)
iii.	Negative feedback	(2 Marks)
iv.	Positive feedback	(2 Marks)

- b) Expound on the role of Nervous system in regulating body temperature (8 Marks)
- c) Identify and briefly explain the three physiological means of body temperature regulations. (6 Marks)
- d) State and briefly explain the general properties of a cell and how important they are in animal physiology (8 Marks)

Question 2

Describe the relationship of cell structure and function to physiology (20 Marks)

Ouestion 3

Explain the mechanism of solute transport across the lipid bilayer. (20 Marks)

Question 4

Describe the general functions of the cardiovascular system (20 Marks)

Question 5

Discuss the significance of temperature and briefly describe its regulation in the testicles of farm animals (20 Marks)