



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018 ACADEMIC YEAR

SECOND YEAR 1ST SEMESTER SPECIAL/ SUPPLEMENTARY EXAMINATIONS

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY,
BACHELOR OF SCIENCE IN BIORESOURCE MANAGEMENT,
BACHELOR OF EDUCATION SCIENCE AND BACHELOR
AGRICULTURE EDUCATION AND EXTENSION**

COURSE CODE: SZL 212

COURSE TITLE: INTRODUCTION TO ANIMAL PHYSIOLOGY

DATE: 3rd October, 2018

TIME: 11:30 – 1:30 p.m.

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

1.
 - a) Name any three fixatives used in tissue preparation 3marks
 - b) Name three types of histological specimens 3marks
 - c) State two diseases associated with the lysosome and explain their cause 4marks
 - d) List three forms of anemia and give the causes of each 6marks
 - e) The red blood cell lacks mitochondria, state ways it obtains energy 3marks
 - f) Give any three accessory glands of the male reproductive system 3marks
 - g) Explain how sickle cell anaemia results and give two reasons why individuals with sickle cell trait have a degree of protection against malaria 4marks
 - h) List four processes involved in tissue preparation 4marks
2. Describe the role of hormones in the menstrual cycle 20 marks
3. Name and give the functions of at least four parts of the brain 20 marks
4. Explain the role of the hypothalamus in osmoregulation 20 marks
5. Give an account of the various types of epithelial tissues 20 marks