



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2021/2022 ACADEMIC YEAR

SECOND YEAR 1ST SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE AND
BIOTECHNOLOGY & BACHELOR OF SCIENCE AGRICULTURE
ECONOMICS AND RESOURCE MANAGEMENT**

COURSE CODE: AAP 211/SAB 220
COURSE TITLE: ANIMAL PHYSIOLOGY

DATE: 21ST JULY 2022

TIME: 11AM – 1 PM

INSTRUCTIONS TO CANDIDATES

Answer Question ONE and any other TWO Questions.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

QUESTION ONE

- a) State the meaning of the following terms
 - i. Thermoregulation (3mks)
 - ii. Ganglia (2mks)
 - iii. Regurgitation (3mks)
 - iv. Exhalation (2mks)
 - v. Myoglobin (2mks)
- b) Outline the main difference between poikilothermic and homeothermic animals (4mks)
- c) Explain briefly the reason why protein digestion in ruminant animals is not efficient (6mks)
- d) State the functions of the following hormones
 - FSH (2mks)
 - LH (2mks)
 - Progesterone (2mks)
 - Prostaglandin (2mks)

2. Muscle growth rate is the most important economic trait in meat production, in connection with this, discuss briefly the principles of muscle development and growth in animals (20mks)

3. Briefly describe the physiology of egg formation (20mks)

4. Discuss the excitation-contraction coupling (20mks)

5. Describe digestion physiology in poultry (20mks)