



*(Knowledge for Development)*

# **KIBABII UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2022/2023 ACADEMIC YEAR**

### **SECOND & THIRD YEAR 2ND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS**

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE  
EDUCATION AND EXTENSION & BACHELOR OF EDUCATION  
SCIENCE**

**COURSE CODE:** AAP 222  
**COURSE TITLE:** PRINCIPLES OF ANIMAL HUSBANDRY AND  
PHYSIOLOGY

**DATE:** 15<sup>TH</sup> AUGUST 2023 **TIME:** 2 – 4 PM

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#### **INSTRUCTIONS TO CANDIDATES**

Answer Question ONE and any other TWO Questions.

TIME: 2 Hours

This paper consists of 3 printed pages. Please Turn Over   
KIBU observes ZERO tolerance to examination cheating

QUESTION ONE

- a) State the reasons for introducing solid feeds to calves in the third week (4mks)
  - b) Differentiate the following terms
    - i. Steaming up and flushing (3mks)
    - ii. Crutching and ringing (2mks)
    - iii. Hogget and ewe (2mks)
    - iv. Breed and breeding (2mks)
  - c) Explain forms of pasture conservation (4mks)
  - d) Enumerate factors to consider before starting a poultry enterprise (6mks)
  - e) Explain briefly two forms of heat transfer gradients in livestock (4mks)
  - f) List three systems of livestock production practiced in Kenya (3mks)
2. Discuss the contribution of livestock to the Kenya's economy (20mks)
3. Discuss bee keeping (apiculture) under the following sections
- a) Importance of bee keeping (10mks)
  - b) Site selection criteria for an apiary (10mks)
4. Describe with the help of a well labeled diagram the physiology of egg formation in poultry (20mks)
5. Discuss briefly effects of climate on productivity of dairy cattle (20mks)